

26592

South Carolina  
**DHEC**  
Department of Health and Environmental Control  
2600 Bull Street, Columbia, SC 29201

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October 27, 1992

REC'D.

NOV 10 1992

WPD-SAC

Mr. Earl Bozeman  
Region IV  
345 Courtland Street, NE  
Atlanta, Georgia 30365

Dear Mr. Bozeman:

Enclosed is a copy of the Preliminary Assessment Report for the Belue Farm Site (SCD 987 581 683). This Site has been given a "Low Priority".

If you have any questions please call me at (803) 734-5200.

Sincerely,



John K. Cresswell, Manager  
Site Screening Section  
Bureau of Solid and Hazardous Waste  
Management

Enclosure

JKC/dps

**PRELIMINARY ASSESSMENT REPORT  
BELUE FARM SITE  
SCD 987 581 683**

*Approved 11/17/92  
Cathy Amoroso  
SEA (NFRAP)*

**Prepared by: Beth Suydam  
Reviewed by: *[Signature]*  
Site Screening Section  
Bureau of Solid and Hazardous Waste Management  
South Carolina Department of Health and Environmental Control  
2600 Bull Street  
Columbia, South Carolina 29201**

**Date Completed: October 26, 1992**

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## **I. INTRODUCTION**

### **A. Scope of Work**

Under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986, a Preliminary Assessment of the Belue Farm Site, located in Spartanburg County, South Carolina has been conducted by the South Carolina Department of Health and Environmental Control (SCDHEC). The scope of this investigation included a review of SCDHEC files, demography, geology and topography of the area, conversations with persons knowledgeable of the site, etc. This report is a site screening tool in which information is collected to assess the threat posed to human health and the environment, and to support a decision for further investigation under the Federal Superfund Program. A field investigation is not normally conducted by the Site Screening Section during the Preliminary Assessment and has not been conducted at this site. Any recommendations or conclusions in this report are tentative and subject to concurrence by the US EPA.

### **B. Executive Summary**

The Belue Farm Site consists of two abandoned dug wells located on the former Belue Farm Peach Orchard in northern Spartanburg County. It is alleged that bags of agricultural chemicals were put into the wells while the farm was in operation, and during cleanup of the property after operations had ceased. After cleanup, the property was auctioned in parcels. Two individuals now own parcels where the abandoned wells are located. One parcel is occupied and has a drilled drinking water well in close proximity to the abandoned well.

Samples were collected from the nearby drinking well by SCDHEC district personnel and analyzed for volatile organic compounds (VOC's), base/neutral/acid extractables (BNA's), herbicides, pesticides and metals. Under contract by SCDHEC, Laidlaw Environmental Services, Inc. sampled the drinking well, and soils and debris excavated from both of the abandoned dug wells. Samples were analyzed for the parameters listed above, as well as chloride and sulfate. All parameters were below detection limits with the exception of metals. Metals detected in the drinking water samples either do not exceed maximum contaminant levels (MCL) established by the US EPA, or have no MCL. The excavations were backfilled with the soils removed, and the debris found was disposed of in a sanitary landfill. No further action has been taken by SCDHEC at the Belue Farm Sites.

Because wastes were deposited in abandoned wells in contact with groundwater, it is possible that hazardous substances from the site have been released to groundwater. However, available file information indicates that the quantity of hazardous substances present in the abandoned wells is small, i.e. residual amounts of chemicals remaining in containers. Also,

Belue Farm Sites  
SCD 987 581 683  
Page 2

hazardous substances were not detected in the analysis of water from the nearest private well, or in soils and debris excavated from the abandoned wells. Based on this information is not likely that groundwater targets will be impacted from this site. Additionally, there are few groundwater targets that could potentially be affected by a release. It is not suspected that hazardous substances from the site have been released to perennial surface water, or the atmosphere. Therefore, the Belue Farm Site is given a low priority for further investigation under the Federal Superfund Program.

## II. SITE DESCRIPTION, HISTORY AND WASTE CHARACTERISTICS

The Belue Farm Site consists of two abandoned dug wells, 1.4 miles apart, located on the former Belue Farm Peach Orchard property. The farm was located in northern Spartanburg County, four miles northeast of Campobello S.C., and was owned by Mr. Perry Belue of Belue Trucking, P.O. Box 734, Fairforrest S.C., 29336 (Ref. 1, 2). Due to financial difficulties Belue Farm ceased operations sometime around 1986 to 1987. At that time the orchard was cleared, and the property was auctioned in individual parcels (Ref. 3).

In 1988 (b) (6) purchased a parcel on which one of the abandoned wells is located. Mr. (b) (6) property is located at 1305 Melvin Hill Road (County Road 954), Campobello, SC 29322, and can be reached by traveling east on S.C. Hwy 11 from I-26 for about .3 mile, then northwest at the first intersection for about .4 mile to Melvin Hill Road. Proceed north on Melvin Hill Road 2 miles to North Pacolet Church. (b) (6) residence is the first mobile home on the north side of the road past the church (Ref. 1, 2). The coordinates for (b) (6) property are 35 degrees, 10 minutes, 3.9 seconds north latitude, and 082 degrees, 05 minutes, and 00 seconds west longitude. (b) (6) drilled a drinking water well and put a mobile home on the lot. After moving in (b) (6) informed by Mr. Arthur Pruitt, a former Belue Farm employee, that the abandoned dug well on his property had been used to dispose of bags of chemicals, trash and spraying materials by himself and others while cleaning the Belue Farm property prior to the land auction (Ref. 1, 2, 4).

SCDHEC began an investigation into the situation on March 4, 1991, when (b) (6) filed a complaint with Appalachia III District EQC about the alleged disposal of pesticides in the abandoned well on his property. (b) (6) informed Cindy Mason, Appalachia III District EQC Hazardous Waste Consultant, that he had a contractor dig out the well, and at 20 feet empty bags were found (Ref. 2). The bags were labeled Agriculture Streptomycin Agrimycin 17 (17% Streptomycin Base) (Ref. 5).

Tommy Hyde, Appalachia II District EQC Regional Hydrologist, sampled (b) (6) drilled rock well on March 7, 1991. The well is 200 feet in depth and approximately 80 feet from the abandoned dug well. The well sample was analyzed for VOC's, BNA's, metals, herbicides and pesticides (Ref. 6). All parameters were below detection limits with the exception of metals (Ref. 7). Metals detected were either below the MCL or have no MCL (Ref. 19).

The second abandoned well is located about 1.4 miles south of the Helton property, on Christopher Road. (b) (6) of 7409 Chalk Way, Riverdale Ga. 30296, purchased the parcel on which the well is located (Ref. 9). (b) (6) property can be reached by traveling east on S.C. Hwy 11 from I-26 for about 2.8 miles, then northwest on Christopher Road for about .4 mile. (b) (6) property is on the southwest side of the road just north of the powerline right of way (Ref. 2). The coordinates of (b) (6) property are 35 degrees, 08

minutes, 45.8 seconds north latitude, and 082 degrees, 04 minutes and 55.4 seconds west longitude (Ref. 1).

On March 13, 1991 Mr. Hudson Waller, SCDHEC Office of Criminal Investigations, interviewed Mr. Arthur Pruitt of Box 85 Melvin Hill Road, Campobello, S.C. 29322. Mr. Pruitt stated that he put empty sulphur sacks and "captan" sacks in the abandoned dug well on Christopher Road and burned them. He said the well had been filled in but had settled three or four feet, and that he burned the sacks there to keep the fire contained. He put about 20 sacks a year into the hole and did this while working for Mr. Perry Belue from around 1981 to 1987 (Ref. 8).

Under contract by SCDHEC Site Engineering Section, Laidlaw Environmental Services INC. conducted field investigations and sampling at the Helton and Wilson properties on April 29, 1991 (Ref. 10). The drilled rock well at the Helton property was sampled and analyzed for chloride, sulfate, VOC's, metals, pesticides, herbicides and BNA's. No drinking water well has been installed at the Wilson property (Ref. 11, 12). The abandoned dug wells at the Helton and Wilson properties were excavated to a depth of 25 feet. According to Laidlaw Environmental Services INC., debris was observed in the excavation materials including "metal containers, trash, concrete, etc." at the Helton property, and "burned garbage" at the Wilson property. Samples were collected from the soils and materials removed and were analyzed for the same parameters listed above (Ref. 10, 11). The excavations were then backfilled with the soils removed, and the debris was approved for disposal in a sanitary landfill by SCDHEC Waste Assessment Section (Ref. 10, 13). All parameters of the soil and well samples were below detection limits, with the exception of metals (Ref. 11). Metals found in the groundwater samples do not exceed the (MCL) established by the US EPA, or have no MCL (Ref. 19). Background samples were not collected at the site (Ref. 10, 11).

There has been no further action at the Belue Farm Site, nor any allegations of dumping at other locations on the former Belue Farm property.

### III. GROUNDWATER PATHWAY

A hydrogeologic review of the site has been conducted by Marion Feagin of SCDHEC, which indicates the following geologic units underlie the site:

<u>Name</u>	<u>Description</u>	<u>Estimated Hydraulic Conductivity</u>	<u>Depth of Occurrence</u>
Saprolite	A heterogeneous mixture of sand, silt, and clay	$10^{-4}$ cm/sec	0 - ~ 40 ft.
Bedrock	Crystalline igneous and metamorphic rock	$10^{-2}$ to $10^{-8}$ cm/sec	below saprolite

The potential aquifer of concern includes the interconnected saprolite and bedrock. There is no laterally extensive deposit of low hydraulic conductivity within the four-mile radius of either portion of the site that likely restricts the vertical migration of groundwater to the aquifer of concern. The referenced site is not in an area karst topography (Ref. 14).

The 1986 Soil Survey of Spartanburg County classifies soils on the northern and southern portions of the site as Cecil sandy loam containing 20 to 80 percent clay. Based on topographic relief and the elevations of local discharge features (streams and ponds), the depth to groundwater is estimated to be between 40 and 60 feet in the northern portion, and between 30 and 50 feet in the southern portion. The predominant shallow groundwater flow direction beneath the northern portion appears to be to the north towards a tributary of the North Pacolet River. In the southern portion, the predominant shallow groundwater flow direction appears to be to the southeast towards a tributary of Obed Creek. The groundwater flow direction in the bedrock is unknown beneath both portions of the site (Ref. 14).

A well inventory within the four-mile radius of the northern portion of the site indicates the following uses of groundwater from the aquifer of concern: livestock, domestic, and public water supply. A well inventory within the four-mile radius of the southern portion of the site indicates the following uses of the aquifer of concern: livestock, domestic, and public water supply (Ref. 14).

The distribution of groundwater wells within the four mile radius of the site is depicted in Table I. The corresponding population is derived using the house count in areas not served by public water lines as shown on a U.S.G.S. Topographical map of the area, and applying US Census Bureau Data of 2.61 persons per household in Spartanburg County (Ref. 15). A portion of the four mile radius is in rural Polk County, N.C. which, for the purpose of this PA report,



is estimated to have 2.61 persons per household as well.

TABLE I: Groundwater Drinking Wells and Corresponding Populations		
Radii (miles)	Private Wells	Total Population
0 to 0.25	17	44
Greater than 0.25 to 0.50	22	57
Greater than 0.50 to 1.0	62	162
Greater than 1.0 to 2.0	145	378
Greater than 2.0 to 3.0	350	914
Greater than 3.0 to 4.0	344	898
TOTAL:		2459

The nearest well is the Helton drinking well, which is located approximately 80 feet from the abandoned dug well on the same property (Ref. 1, 6).

Because wastes were deposited in abandoned wells in contact with groundwater, it is possible that hazardous substances from the site have been released to groundwater. However, available file information indicates that the quantity of hazardous substances present in the abandoned wells is small, i.e. residual amounts of chemicals remaining in containers (Ref. 4, 8, 10). As discussed in Section II of this report, hazardous substances were not detected in the analysis of water from the nearest private well, or in soils and debris excavated from the abandoned wells (Ref. 7, 11). Based on this information, groundwater target impact from this site is not likely. Additionally, there are few groundwater targets that could potentially be affected by a release (Ref. 1, 15).

#### IV. SURFACE WATER, SOIL EXPOSURE AND AIR PATHWAYS

Because wastes were deposited in abandoned wells beneath the ground surface, it is unlikely that a release to these pathways has or will occur. Additionally, as discussed in Section II of this report, the quantity of hazardous substances thought to be present in the abandoned wells is small, and hazardous substances were not detected in the analysis of soils and debris excavated from the abandoned wells (Ref. 4, 8, 10, 11).

If hazardous substances migrated from the abandoned wells to groundwater it is possible that a release to surface water could occur by groundwater discharge. However, surface water is not in close proximity to either well, and it is likely that levels of hazardous substances would be significantly reduced prior to reaching surface water by dilution from groundwater (Ref. 1).

Also, the ground level area of each abandoned well is about 9 square feet. Therefore, it is unlikely that any hazardous substances would reach perennial surface water by way of surface water runoff from the site (Ref. 1). If a release to surface water occurred, there are no drinking water intakes, nor any known State or Federal threatened or endangered species habitats that would be impacted along the 15 mile downstream distance (Ref. 16, 17).

If a release to air were to occur, the total estimated population within the four mile radius that could potentially be impacted is depicted in Table II. The resident population at the Helton property is 2, and there is no resident population at the Wilson property (Ref. 1, 18).

<b>TABLE II: Total Estimated Population Within Four-Mile Radius</b>	
<b>Radii (miles)</b>	<b>Population Estimate</b>
0 to 0.25	362
Greater than 0.25 to 0.50	582
Greater than 0.50 to 1.0	1028
Greater than 1.0 to 2.0	1637
Greater than 2.0 to 3.0	2688
Greater than 3.0 to 4.0	3778
<b>Total:</b>	<b>10075</b>

## **V. CONCLUSIONS AND RECOMMENDATIONS**

The Belue Farm Site consists of two abandoned dug wells in which an undetermined amount, or type of, agricultural chemicals were disposed. Because wastes were deposited in contact with groundwater it is possible that hazardous substances from the site have been released to groundwater. However, impact on groundwater targets is not likely because the quantity of hazardous substances contained in the waste is estimated to be small, and hazardous substances were not detected in groundwater and soil samples. Additionally, there are few groundwater targets that could potentially be affected by a release. It is not suspected that hazardous substances from the site have been released to surface water, or are being released to the atmosphere. Therefore, the Belue Farm Site is given a low priority for further investigation under the Federal Superfund Program.

## VI. REFERENCES

All references included unless otherwise indicated.

1. U.S. Geologic Topographic Maps.  
  
    Fingerville West, S.C.- N.C. 1983  
    Inman, S.C. 1983  
    Campobello, S.C. 1983  
    Landrum, S.C.- N.C. 1983
2. South Carolina Department of Health and Environmental Control (SCDHEC), Appalachia III EQC CERCLA Site Discovery Form with attachments. April 10, 1991.
3. Suydam, Beth. Record of Communication (ROC) to Belue Farm Sites File. Conversation with Cindy Mason, Appalachia III EQC Hazardous Waste Consultant. August 6, 1992.
4. Waller, Hudson, Office of Criminal Investigation, SCDHEC. Interview with Mr. C. Helton. March 13, 1991.
5. Hyde, Tommy, Appalachia II District EQC, SCDHEC. Memorandum to Tom Kurimcak, Analytical Services Division, SCDHEC. March 7, 1991.
6. Hyde, Tommy, Appalachia II District EQC, SCDHEC. Memorandum to Gil Trentanove, Site Engineering Section, SCDHEC. March 22, 1991.
7. SCDHEC, Analytical Services Division. Analysis of Mr. C. Helton Well Water. March 19, 1991.
8. Waller, Hudson, Office of Criminal Investigation, SCDHEC Interview with Mr. A Pruitt. March 13, 1991.
9. Wilson, David. Letter to Cindy Mason, Hazardous Waste Consultant, Appalachia III District EQC, SCDHEC. April 1, 1991.
10. Lock, Christopher, Laidlaw Environmental Services, N.C. Memorandum to Gil Trentanove with attachments. June 4, 1991.
11. General Engineering Laboratories, Charleston, S.C. Well and Soil Analysis of Helton and Wilson Sites.

12. Suydam, Beth. ROC to Belue Farm Sites File. Conversation with Gil Trentanove. August 11, 1992.
13. Seabrook, Harold, Waste Assessment Section, SCDHEC. Memorandum to Gil Trentanove, Site Engineering Section, SCDHEC. June 18, 1991.
14. Feagin, Marion, Hydrogeologist, SCDHEC. Memorandum to Beth Suydam. September 9, 1992.
15. U.S. Bureau of Census. Table: General Housing Characteristics. 1990.
16. SCDHEC, Bureau of Solid and Hazardous Waste Management (BSHWM). Surface Water Supplies printout based on S.C. Water Resources Data (February, 1992).
17. SCDHEC, BSHWM. Printout of Heritage Trust Foundation Data (January 1992). Endangered Species Locations.
18. Horton, Patrick, SCDHEC. Memorandum to Beth Suydam concerning calculations of population estimates. July 9, 1992.
19. US EPA, Superfund Chemical Data Matrix. October 29, 1991. Available in Site Screening Section, SCDHEC.

**OVERSIZED**

;

**DOCUMENT**

# RECEIVED

## SITE DISCOVERY FORM

Part 1: Information necessary to add a site to CERCLA **APR 10 1991**

ACTION: A

S. C. Dept. of Health & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management

EPA ID: \_\_\_\_\_

SITE NAME: Blue Fama Site SOURCE: Ref. 2 (R=EPA, T=STATE)

STREET: Melvin Hill Rd. / Christopher Rd. CONG DIST: \_\_\_\_\_

CITY: Campobello ZIP: 29322

CNTY NAME: Spartanburg CNTY CODE: 42

LATITUDE: 35 / 08 / 45.8 LONGITUDE: 082 / 05 / 02.8

INVENTORY IND: Y REMEDIAL IND: Y REMOVAL IND: N FED FAC IND: N

RPM NAME: \_\_\_\_\_ RPM PHONE: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ (EPA Project Office)

SITE DESCRIPTION: 2 locations:

① Helter property - I-26 to Hwy 11 to first paved  
left. Then 1st right (Melvin Hill Rd.) Go ± 1.5 miles  
to N. Pickett Church. 1st trailer on left past church.

② Wilson property - same as above to Melvin Hill Rd.  
Right on Christopher Rd. Lot on right prior to power line right  
DISTRICT NAME: APP III of way.

## Part 2: Other site information

DATE SITE FIRST

REPORTED: 3 / 4 / 91 REPORTED BY: (b) (6)

REASON FOR LISTING: ① Informant states 12 truckloads of  
pesticides were disposed of in well 3 yrs ago.  
Initial investigation noted agricultural bags.

② Second site to contain same material - except  
burned.



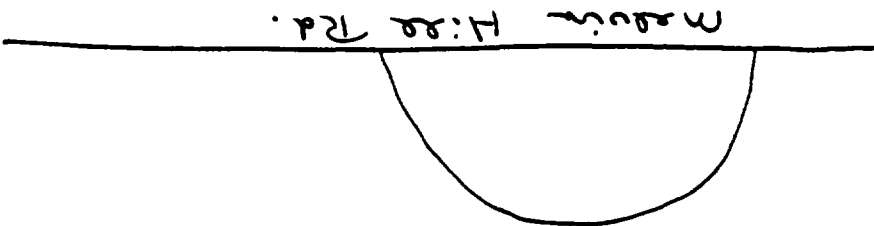
3.6.91

Sent - 9 returned for site to the  
welder. Spoke w/ Keith & 1500 - as wants  
site drawing form. Had a check on  
contractor.  
Made arrangements with Terry Hill  
for sampling 3.7.91.

□ current well

TRL

\*-SITE





5  
Complaint #033  
(b) (6)

3.6.91 (b) (6) - purchased his property approx 3 yrs. ago. He has a trailer and a drilled well (depth unknown) on land previously known as Blues Farm. The peach orchard was auctioned and Mr. Helton obtained this referenced s.t.

(b) (6) has experienced health problems over a year and is unable to work. While discussing this problem with a friend... Arthur Pruitt, he was told by Mr. Pruitt that an abandoned well beside the Helton trailer had been used to disposed of all waste on the Blue property. Estimated was 1-2 truckloads of pesticides.

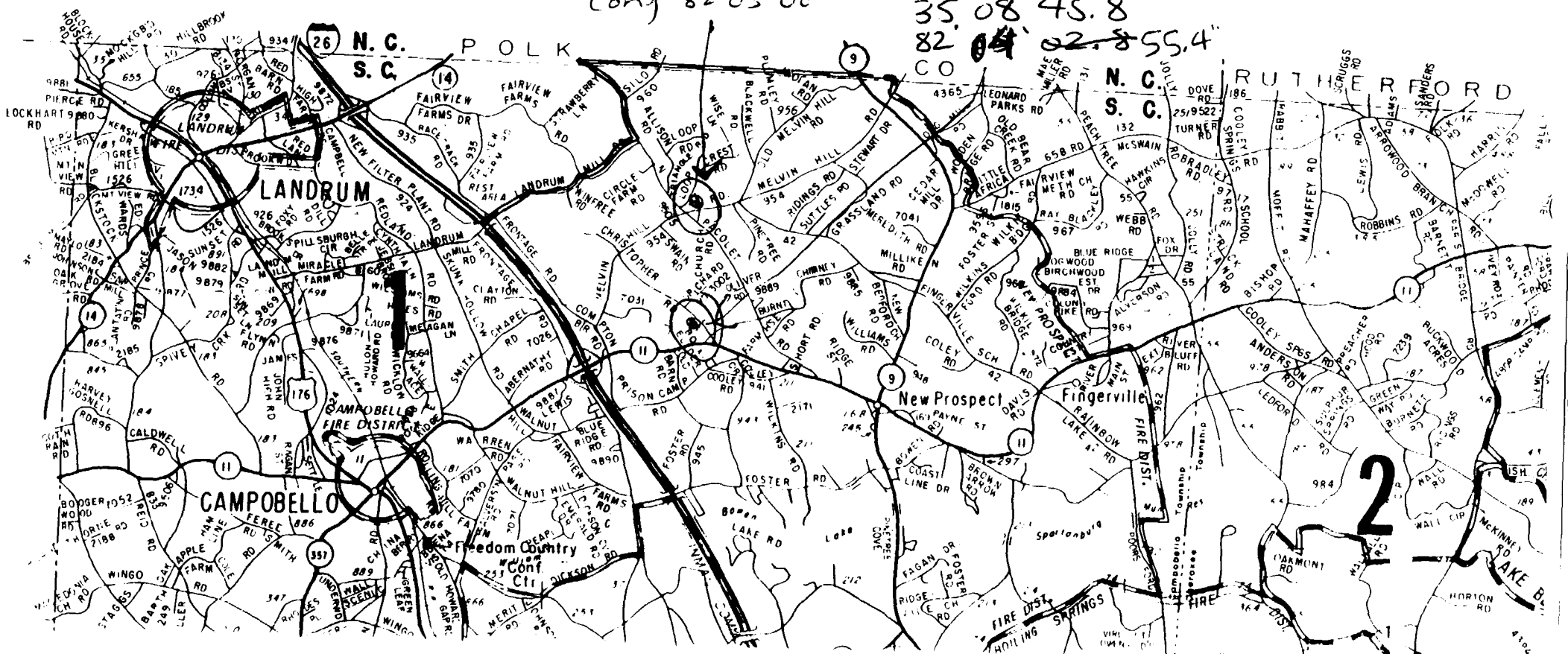
(b) (6) had a contractor dig out the well. At approx 20' - bags were uncovered. He was advised to stop until DHEC could visit the site.

Mr. Pruitt initially said he helped

Blue Tanager - site map

Lat 35° 10' 3.9"  
Long 82° 05' 00"

35° 08' 45.8"  
82° 04' 02.855.4"  
CO



SITE NAME:  
EPA ID NUMBER: SCD

Ref. 3

RECORD OF COMMUNICATION

☒ Phone Call  
☐ Discussion  
☐ Field Trip  
☐ Conference  
☐ Other (Specify)

TO: Belue Farm Site File

FROM: Beth Suydam  
Site Screening Section

DATE: August 6, 1992

TIME: 11:00 AM

SUBJECT: Cindy Mason, Appalachia III District EQC Hazardous Waste Consultant (596-3800). Conversation concerning history of the sites.

SUMMARY OF COMMUNICATION:

Cindy said that Belue Farm owned all the property in the area around the sites and they had a bad peach season and auctioned the land. She said the well contamination took place before the auction - allegedly they put herbicide and pesticide bags into wells.

She said Hudson Waller had done some work on the site, Keith Lindler should have sample results from wells, also Gil oversaw work done by Laidlaw Environmental.

She said they only found two wells for sure that had trash in them, they augered and found trash only - no pesticides.

CONCLUSIONS, ACTIONS TAKEN OR REQUIRED:

INFORMATION COPIES TO:

File

Ref. 4

REPORT OF INTERVIEW

DATE: March 13, 1991

BY: Hudson A. Waller  
Special Investigator, DHEC  
Office of Criminal Investigations

FILE: (b) (6)  
1305 Melvin Hill Road  
Campobello, S.C. 29322

(b) (6) said that he bought the property where he resides and an adjoining lot from Mr. Madison D. Giles on February 3, 1988; tract two (2) and tract three (3) were originally recorded in Plat D of Belue Farms which is recorded in Plat Book 100, page 533, Register Mesne Conveyance Office, Spartanburg, S.C. This is a portion of the property that was conveyed to Mr. Giles by a deed recorded in Deed Book 53-E, page 744 on May 18, 1987, Block Map Reference Number - Portion of 1-10-00-54.

(b) (6) said that he drilled a water well in June, 1988, and that this water was used for drinking, washing and cooking. He said that he knew there was an old dug well on his property that had been filled in and that the well had sunk two (2) or three (3) feet. He said that when he had the lot cleared that he had the contractor finish filling in the well with the concrete base of the well and dirt. He said that his well water never tasted right from the time they moved in which was July, 1988. He said that his health was bad and that he didn't know what was causing it, and his doctor had been unable to tell him what was the matter with him. He said that a neighbor of his told him that he should get his well water checked in the Fall of 1990. He said that Mr. Arthur Pruitt told him that when the land was cleared, prior to his buying it, that he and others had cleaned up around Mr. Belue's peach packing shed and had thrown parts of bags of chemicals, trash and spraying materials that had been opened into the dug well on his property.

He said that he called the Spartanburg Health Department later in the Fall after talking to Mr. Pruitt and asked them if they could test his well. He said they told him that it would cost \$800.00, and they would have to know what they were looking for in the way of chemicals. He said that he had been out of work for over a year and that he could not afford to pay the \$800.00.

He said that he talked to Mr. Pruitt again after talking to the Spartanburg Health Department and that Mr. Pruitt denied throwing anything in the dug well on his property and told him that if he wanted to know anything about his dug well to contact Mr. Furman Johnson, Valley Falls, S.C. He said that he had been unable to locate Mr. Johnson.

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL**

**J. MARION SINS BUILDING • COLUMBIA, SOUTH CAROLINA 29201 • PHONE 803 758-5654**

**M E S S A G E**

**R E P L Y**

TO

TOM KURIMCAK

ANALYTICAL SERVICES

DATE

3-7-91

RE: HETTON PRIVATE WELL  
SPARTANBURG COUNTY

TIM,

WHILE SAMPLING THE HETTON WELL  
HIS BROTHER SHOWED ME A CLUMP  
OF THE LABELS THAT WERE ATTACHED  
TO THE BAGS THAT WERE BEING  
DUG UP IN THE OLD DUG WELL.

AGRICULTURE STREPTOMYCIN

ABRI MYCIN 17 (17% Streptomycin Base)

PFTZER NEW YORK 10017

BY Tommy Hyde

Form NR738 The Drawing Board, Inc., Box 505, Dallas, Texas

DATE

Ref. 5

SIGNED

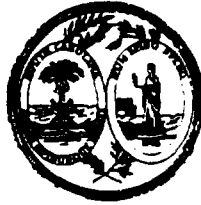
DETACH AND FILE FOR FOLLOW-UP

# South Carolina Department of Health and Environmental Control

Ref. 6

Commissioner  
Michael D. Jarrett

Appalachia II District  
Environmental Quality Control  
Greenville County Square  
301 University Ridge/Suite 5800  
Greenville, SC 29601



Board  
Toney Graham, Jr., M.D., Chairman  
Henry S. Jordan, M.D., Vice-Chairman  
John B. Pate, M.D., Secretary  
William E. Applegate  
Oren L. Brady, Jr.  
John Hay Burriss  
Euta M. Colvin, M.D.

## MEMORANDUM:

Date: March 22, 1991

To: Gil Trentanove  
Site Engineering  
Bureau of Solid and Hazardous Waste Management

From: Tommy Hyde *TH*  
Regional Hydrologist  
Appalachia II EQC

Re: Helton Private Well Sampling  
Spartanburg County

Cindy Mason contacted me about sampling the (b) (6) Well as part of her investigation into alleged dumping of pesticides and herbicides into an old dug well on (b) (6) Property. (b) (6) is presently drinking from a 200 ft. drilled rock well which is approximately 80 ft. from the dug well.

The (b) (6) Drinking Water Well was sampled on March 3, 1991, for VOCs, BNAs, Metals, Herbicides and Pesticides. Attached is the Field Data Sheet with some specific well information.

If you have any questions, please contact me at 241-1090.

WTH  
cc: Cindy Mason-App III EQC

# RECEIVED

SEP 15 1992

S. C. Dept. of Health & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management

# ATTACHMENT 1

## Field Data Information Sheet for Ground-Water Sampling

S.C.D.E.E.C.  
Hydrogeology Division

Page 1 of 1

Date (yr/mo/day) 03-07-91  
 Field Personnel T. Hyde  
 Facility Name <sup>(b) (6)</sup> PRIVATE WELL  
 EPA ID: \_\_\_\_\_  
 Well ID: \_\_\_\_\_  
 \_\_\_\_\_ Upgradient \_\_\_\_\_ Downgradient \_\_\_\_\_  
 Weather Conditions Sunny - Cool  
 Air Temperature 60°F  
 Total Well Depth (TWD) = 200' 1/100 ft  
 Depth to Groundwater (DGW) = \_\_\_\_\_ 1/100 ft  
 Length of Water Column (LWC) = TWD - DGW = \_\_\_\_\_ 1/100 ft  
 1 Casing Volume (CCV) = LWC x \_\_\_\_\_ gal  
 3 Casing Volumes = \_\_\_\_\_ gal = Standard Evacuation Volume  
 Method of Well Evacuation Pump  
 Method of Sample Collection Pump / Grab  
 Total Volume of Water Removed \_\_\_\_\_ gal

Casing Diameter 6.25  
 Casing Material PVC  
 Top Elevation \_\_\_\_\_ 1/100 ft  
 Height of Riser \_\_\_\_\_ 1/100 ft  
 Surface Elevation \_\_\_\_\_ 1/100 ft  
 Screened Interval OPEN RX BELOW 62' 1/100 ft  
 Bottom of Pump, if dedicated (depth/elevation) \_\_\_\_\_ 1/100 ft  
 Steel Guard Pipe Around Casing YES \_\_\_\_\_ NO \_\_\_\_\_  
 Locking Cap YES \_\_\_\_\_ NO \_\_\_\_\_  
 Protective Abutment YES \_\_\_\_\_ NO \_\_\_\_\_  
 Well Integrity Satisfactory YES \_\_\_\_\_ NO \_\_\_\_\_  
 Well Yield LOW \_\_\_\_\_ MODERATE X HIGH \_\_\_\_\_  
 Remarks \_\_\_\_\_

CASING Set to 62' B.G.S.  
YIELD - 12 gpm

### FIELD ANALYSES

VOLUME PURGED (gallons)  
 TIME (min:sec)  
 pH (S.U.)  
 Sp. Cond. (microhm/cm)  
 Water Temp. (°C)  
 TURBIDITY (subjective) \*  
 COLOR (subjective) \*\*

initial							
10:25	10:30	10:35	10:40				
6.3	6.6	6.6	6.6				
50	50	50	50				
16.5	16.0	16.0	16.0				

\* (1) Clear (2) Slight (3) Moderate (4) High \*\* (1) None (2) Faint (3) Moderate (4) Strong

COMMENTS/OBSERVATIONS: Sample @ 10:50



S.C. Department of Health and Environmental Control

REQUEST FOR CHEMICAL AND PHYSICAL  
ANALYSIS OF DRINKING WATER

Sample

Number: 0307918468

Charge Code: W S R

Ref. 7

Collected By: T. Hyde

System No.: \_\_\_\_\_

County: SPARTANBURGH

Date Collected: 03 / 02 / 91

SAMPLE DESCRIPTION:

Source ID: \_\_\_\_\_

Sample Type: ☐ C ☐ P ☐ V  
☐ D ☐ R ☐  
☐ F ☐ S  
☐ M ☐ W

Location: \_\_\_\_\_

System Name: BLANK FOR 8467

Location Code: \_\_\_\_\_

CHECK ANALYSIS GROUP (A) OR INDIVIDUAL ANALYSES (B) REQUESTED

A. ANALYSIS GROUP:

B. INDIVIDUAL ANALYSES:

- ☐ Base-Neutral / Acid Extractables (Investigation)  
☐ Controlled Fluoridation (Routine)  
☐ Herbicides (Investigation)  
☐ Hydrocarbons (Investigation)  
☐ Nitrate (Routine)  
☐ Pesticides (Investigation)  
☐ Private Routine  
☐ Public Complete (Investigation)  
☐ Public Complete (New Source)  
☐ Public Complete (Routine)  
☐ Public Complete + Organics (Routine)  
☐ Trihalomethanes (Routine)  
☒ Volatile Organic Compounds (Investigation)  
☐ Volatile Organic Compounds (Routine - Regulated Compounds Only)  
☐ Volatile Organic Compounds (Routine - Regulated and Unregulated Compounds)  
☐ Other: \_\_\_\_\_

- ☐ Alkalinity  
☐ Aluminum  
☐ Ammonia  
☐ Arsenic  
☐ Barium  
☐ Cadmium  
☐ Calcium  
☐ Chloride  
☐ Chromium  
☐ Color  
☐ Copper  
☐ Cyanide  
☐ Fluoride  
☐ Hardness  
☐ Hydrogen Sulfide  
☐ Iron  
☐ Lead  
☐ MBAS  
☐ Magnesium  
☐ Manganese  
☐ Mercury  
☐ Nickel  
☐ Nitrate  
☐ Nitrite  
☐ Oil & Grease  
☐ pH  
☐ Phenol  
☐ Phosphorus  
☐ Potassium  
☐ Silver  
☐ Sodium  
☐ Sulfate  
☐ Total Dissolved Solids  
☐ Total Organic Carbon  
☐ Total Solids  
☐ Turbidity  
☐ Zinc  
☐ Other: \_\_\_\_\_  
☐ Other: \_\_\_\_\_

DISTRICT ANALYSES:

TDS \_\_\_\_\_ mg/l  
Turbidity \_\_\_\_\_ N.T.U.  
Color \_\_\_\_\_ C.U.  
pH \_\_\_\_\_  
Alkalinity \_\_\_\_\_ mg/l  
Other: \_\_\_\_\_  
\_\_\_\_\_ mg/l

COMMENTS:

CC: DAVID PRICE  
CINDY MAISON  
KEITH LINDLER

CHUCK HELLON  
P.O. BOX 131  
CAMPOBELLO SC  
29322

RECEIVED:

(Regional) \_\_\_\_\_  
By \_\_\_\_\_  
(Central) 03 / 05 / 91  
By KHC

RELEASED:

(Regional) 3 / 1 / 91  
By \_\_\_\_\_  
(Central) \_\_\_\_\_  
By \_\_\_\_\_

\*\*\*\*\*  
 \* SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL \*  
 \* ANALYTICAL SERVICES DIVISION LABORATORY REPORT \*  
 \*\*\*\*\*

SAMPLE NUMBER : 0307918468  
 CHARGE NUMBER : MSR  
 COLLECTED BY : IND  
 COUNTY : SPARTANBURG  
 SAMPLE DESCRIPTION : FLD BLK FOR 2467

MONDAY MARCH 11TH, 1991  
 RELEASE DATE : 03/11/91 03:36:54  
 DT COLLECTED : 03/07/91 10:50:00  
 SAMPLE MEDIUM : WATER  
 STATION CODE : WELL

ANALYSIS

STORET RESULT

ANALYSIS	STORET	RESULT
BENZENE MG/L	2990	<0.0005
BROMOBENZENE MG/L	2993	<0.0005
BROMOCHLOROMETHANE MG/L	2430	<0.0005
BROMODICHLOROMETHANE MG/L	2943	<0.0005
BROMOFORM MG/L	2942	<0.0005
BROMOMETHANE MG/L	2214	<0.0005
N-BUTYLBENZENE MG/L	2422	<0.0005
SEC-BUTYLBENZENE MG/L	2428	<0.0005
TERT-BUTYLBENZENE MG/L	2426	<0.0005
CARBON TETRACHLORIDE MG/L	2982	<0.0005
CHLOROBENZENE MG/L	2989	<0.0005
CHLOROETHANE MG/L	2216	<0.0005
CHLOROFORM MG/L	2941	<0.0005
CHLORMETHANE MG/L	2210	<0.0005
2-CHLOROTOLUENE MG/L	2965	<0.0005
4-CHLOROTOLUENE MG/L	2966	<0.0005
DIBROMOCHLOROMETHANE MG/L	2944	<0.0005
DIBROMOMETHANE MG/L	2408	<0.0005
1,2-DICHLOROBENZENE MG/L	2968	<0.0005
1,3-DICHLOROBENZENE MG/L	2967	<0.0005
1,4-DICHLOROBENZENE MG/L	2969	<0.0005
DICHLORODIFLUOROMETHANE MG/L	2212	<0.0005
1,1-DICHLOROETHANE MG/L	2978	<0.0005
1,2-DICHLOROETHANE MG/L	2980	<0.0005
CIS-1,2-DICHLOROETHENE MG/L	2380	<0.0005
TRANS-1,2-DICHLOROETHENE MG/L	2979	<0.0005

\*\*\*\*\*  
 \* SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL \*  
 \* ANALYTICAL SERVICES DIVISION LABORATORY REPORT \*  
 \*\*\*\*\*

SAMPLE NUMBER : C3C7913468  
 CHARGE NUMBER : WSR  
 COLLECTED BY : IND  
 COUNTY : SPARTANBURG  
 SAMPLE DESCRIPTION : FLD SLK FOR 8467

MONDAY MARCH 11TH, 1991  
 RELEASE DATE : 03/11/91 09:36:54  
 DT COLLECTED : 03/07/91 10:50:00  
 SAMPLE MEDIUM : WATER  
 STATION CODE : WELL

ANALYSIS

STORET RESULT

PAGE 2

1,1-DICHLOROETHYLENE MG/L	2977	<C.CC05
1,2-DICHLOROPROPANE MG/L	2983	<C.CC05
1,3-DICHLOROPROPANE MG/L	2412	<C.CC05
2,2-DICHLOROPROPANE MG/L	2416	<C.CC05
1,1-DICHLOROPROPENE MG/L	2410	<C.CC05
1,3-DICHLOROPROPENE MG/L	2223	<C.CC05
ETHYLBENZENE MG/L	2992	<C.CC05
HEXACHLOROBUTADIENE MG/L	2246	<C.CC05
ISOPROPYLBENZENE MG/L	2994	<C.CC05
P-ISOPROPYLTOLUENE MG/L	2030	<C.CC05
METHYLENE CHLORIDE MG/L	2964	<C.CC05
NAPHTHALENE MG/L	2243	<C.CC05
N-PROPYLBENZENE MG/L	2993	<C.CC05
STYRENE MG/L	2996	<C.CC05
1,1,1,2-TETRACHLOROETHANE MG/L	2986	<C.CC05
1,1,2,2-TETRACHLOROETHANE MG/L	2989	<C.CC05
TETRACHLOROETHENE MG/L	2987	<C.CC05
TOLUENE MG/L	2991	<C.CC05
1,2,3-TRICHLOROBENZENE MG/L	2420	<C.CC05
1,2,4-TRICHLOROBENZENE MG/L	2379	<C.CC05
1,1,1-TRICHLOROETHANE MG/L	2981	<C.CC05
1,1,2-TRICHLOROETHANE MG/L	2985	<C.CC05
TRICHLOROETHYLENE MG/L	2984	<C.CC05
TRICHLOROFLUOROMETHANE MG/L	2213	<C.CC05
1,2,3-TRICHLOROPROPANE MG/L	2414	<C.CC05
1,2,4-TRIMETHYLBENZENE MG/L	2413	<C.CC05
1,3,5-TRIMETHYLBENZENE MG/L	2424	<C.CC05

\*\*\*\*\*  
 \* SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL \*  
 \* ANALYTICAL SERVICES DIVISION LABORATORY REPORT \*  
 \*\*\*\*\*

SAMPLE NUMBER : 03C7218468  
 CHARGE NUMBER : SSR  
 COLLECTED BY : IND  
 COUNTY : SPARTANBURG  
 SAMPLE DESCRIPTION : FLD BLK FOR 8467

WEDNESDAY MARCH 11TH, 1991  
 RELEASE DATE : 03/11/91 09:36:54  
 DT COLLECTED : 03/07/91 10:50:00  
 SAMPLE MEDIUM : WATER  
 STATION CODE : WELL

ANALYSIS

STORET RESULT

PAGE 3

VINYL CHLORIDE MG/L	2976	<C.CC05
C-XYLENE MG/L	2997	<C.CC05
M-XYLENE MG/L	2995	<C.CC05
P-XYLENE MG/L	2999	<C.CC05
1,2-DIBROMO-3-CHLOROPROPANE MG/L	2931	<C.CC05
1,2-DIBROMOETHANE MG/L	2946	<C.CC05

COMMENTS:

CHUCK HELTON  
 P.O. BOX 131  
 CAMPOBELLO, SC 29322

## S.C. Department of Health and Environmental Control

REQUEST FOR CHEMICAL AND PHYSICAL  
ANALYSIS OF DRINKING WATER

Sample

Number: 0302918469Charge Code: W S RCollected By: T. Hyde

System No.: \_\_\_\_\_

County: SPARTANBURGDate Collected: 03 / 07 / 91

## SAMPLE DESCRIPTION:

Source ID: \_\_\_\_\_

Military Time Collected: 1 0 5 0Location: MELVIN HILL ROADSample Type: ☐ C ☐ P ☐ V  
☐ D ☐ R ☐ \_\_\_\_\_  
☐ F ☐ S  
☐ M ☐ WSystem Name: \_\_\_\_\_ (b) (6) PRIVATE WELL

Location Code: \_\_\_\_\_

## CHECK ANALYSIS GROUP (A) OR INDIVIDUAL ANALYSES (B) REQUESTED

## A. ANALYSIS GROUP:

- ☐ Base-Neutral / Acid Extractables  
(Investigation)  
☐ Controlled Fluoridation (Routine)  
☐ Herbicides (Investigation)  
☐ Hydrocarbons (Investigation)  
☐ Nitrate (Routine)  
☐ Pesticides (Investigation)  
☐ Private Routine  
☐ Public Complete (Investigation)  
☐ Public Complete (New Source)  
☐ Public Complete (Routine)  
☐ Public Complete + Organics  
(Routine)  
☐ Trihalomethanes (Routine)  
☐ Volatile Organic Compounds  
(Investigation)  
☐ Volatile Organic Compounds  
(Routine - Regulated Compounds  
Only)  
☐ Volatile Organic Compounds  
(Routine - Regulated and  
Unregulated Compounds)  
☐ Other: \_\_\_\_\_

## B. INDIVIDUAL ANALYSES:

- ☒ Alkalinity  
☒ Aluminum  
☒ Ammonia  
☒ Arsenic  
☒ Barium  
☒ Cadmium  
☒ Calcium  
☒ Chloride  
☒ Chromium  
☐ Color  
☒ Copper  
☐ Cyanide  
☐ Fluoride  
☐ Hardness  
☐ Hydrogen Sulfide  
☒ Iron  
☒ Lead  
☐ MBAS  
☒ Magnesium  
☒ Manganese  
☒ Mercury  
☒ Nickel  
☐ Nitrate  
☐ Nitrite  
☐ Oil & Grease  
☒ pH  
☐ Phenol  
☒ Phosphorus  
☒ Potassium  
☒ Silver  
☐ Sodium  
☒ Sulfate  
☐ Total Dissolved  
Solids  
☐ Total Organic  
Carbon  
☐ Total Solids  
☐ Turbidity  
☒ Zinc  
☐ Other: \_\_\_\_\_  
☐ Other: \_\_\_\_\_

## DISTRICT ANALYSES:

TDS \_\_\_\_\_ mg/l  
Turbidity \_\_\_\_\_ N.T.U.  
Color \_\_\_\_\_ C.U.  
pH 06.8  
Alkalinity 028 mg/l  
Other: \_\_\_\_\_  
\_\_\_\_\_ mg/l

## COMMENTS:

CL: DAND PRICE - BDWP  
CINDY MASON - APP III EAC  
KEITH LINDLER - B.S.H.W.M.

(b) (6)

P.O. Box 131  
CAMPOBELLO SC  
29322

## RECEIVED:

(Regional) \_\_\_\_\_  
By \_\_\_\_\_  
(Central) 03108191  
By KHC

## RELEASED:

(Regional) \_\_\_\_\_  
By \_\_\_\_\_  
(Central) 03120191  
By TCK

\*\*\*\*\*  
 \* SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL \*  
 \* ANALYTICAL SERVICES DIVISION LABORATORY REPORT \*  
 \*\*\*\*\*

SAMPLE NUMBER : 0307918469  
 CHARGE NUMBER : WSR  
 COLLECTED BY : IND  
 COUNTY : SPARTANBURG  
 SAMPLE DESCRIPTION : MELVIN HILL ROAD

WEDNESDAY MARCH 20TH, 1991  
 RELEASE DATE : 03/19/91 13:30:53  
 DT COLLECTED : 03/07/91 10:50:00  
 SAMPLE MEDIUM : WATER  
 STATION CODE : WELL

ANALYSIS

STCRET RESULT

ALUMINUM MG/L	1002	<0.05
ARSENIC MG/L	1005	<0.005
CALCIUM MG/L	1016	3.2
MAGNESIUM MG/L	1031	2.5
HARDNESS/CALC MG/L	1915	23
SODIUM MG/L	1052	3.7
BARIUM MG/L	1010	<0.05
CADMIUM MG/L	1015	<0.010
CHROMIUM MG/L	1020	0.01
COPPER MG/L	1022	0.01
IRON MG/L	1027	0.01
MANGANESE MG/L	1032	<0.01
SILVER MG/L	1050	<0.03
ZINC MG/L	1095	0.01
MERCURY MG/L	1035	<0.0002
POTASSIUM MG/L	1042	<6
AMMONIA MG/L	1003	0.03
LEAD MG/L	1030	<0.005
SULFATE MG/L	1055	<10

\*\*\*\*\*  
\* SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL \*  
\* ANALYTICAL SERVICES DIVISION LABORATORY REPORT \*  
\*\*\*\*\*

SAMPLE NUMBER : C3C7918469  
CHARGE NUMBER : WSR  
COLLECTED BY : IND  
COUNTY : SPARTANBURG  
SAMPLE DESCRIPTION : MELVIN HILL ROAD

WEDNESDAY MARCH 20TH, 1991  
RELEASE DATE : 03/10/91 13:30:53  
DT COLLECTED : 03/07/91 10:50:00  
SAMPLE MEDIUM : WATER  
STATION CODE : WELL

ANALYSIS

STORET RESULT

----- PAGE 2 -----

TOTAL PHOSPHORUS MG/L

1093 0.05

COMMENTS:

(b) (6)

P.C. BCX 131  
CAMPOBELLO, SC 29322

## S.C. Department of Health and Environmental Control

REQUEST FOR CHEMICAL AND PHYSICAL  
ANALYSIS OF DRINKING WATER

Sample

Number: 030291 8467Charge Code: W S RCollected By: T. Hyde

System No.: \_\_\_\_\_

County: SPARTANBURGDate Collected: 03/02/91Military Time Collected: 1050

## SAMPLE DESCRIPTION:

Source ID: \_\_\_\_\_

Sample	<input type="checkbox"/>	C	<input type="checkbox"/>	P	<input type="checkbox"/>	V
Type:	<input type="checkbox"/>	D	<input type="checkbox"/>	R	<input type="checkbox"/>	_____
	<input type="checkbox"/>	F	<input type="checkbox"/>	S	<input type="checkbox"/>	_____
	<input type="checkbox"/>	M	<input type="checkbox"/>	W	<input type="checkbox"/>	_____

Location: MELVIN HILL ROADSystem Name: HELTON PRIVATE WELL

Location Code: \_\_\_\_\_

## CHECK ANALYSIS GROUP (A) OR INDIVIDUAL ANALYSES (B) REQUESTED

## A. ANALYSIS GROUP:

- ☒ Base-Neutral / Acid Extractables  
(Investigation)  
☐ Controlled Fluoridation (Routine)  
☒ Herbicides (Investigation)  
☐ Hydrocarbons (Investigation)  
☐ Nitrate (Routine)  
☒ Pesticides (Investigation)  
☐ Private Routine  
☐ Public Complete (Investigation)  
☐ Public Complete (New Source)  
☐ Public Complete (Routine)  
☐ Public Complete + Organics  
(Routine)  
☐ Trihalomethanes (Routine)  
☒ Volatile Organic Compounds  
(Investigation)  
☐ Volatile Organic Compounds  
(Routine - Regulated Compounds  
Only)  
☐ Volatile Organic Compounds  
(Routine - Regulated and  
Unregulated Compounds)  
☐ Other: \_\_\_\_\_

## B. INDIVIDUAL ANALYSES:

- |   |  |
|---|--|
| <input type="checkbox"/> Alkalinity       | <input type="checkbox"/> Nitrite                   |
| <input type="checkbox"/> Aluminum         | <input type="checkbox"/> Oil & Grease              |
| <input type="checkbox"/> Ammonia          | <input type="checkbox"/> pH                        |
| <input type="checkbox"/> Arsenic          | <input type="checkbox"/> Phenol                    |
| <input type="checkbox"/> Barium           | <input type="checkbox"/> Phosphorus                |
| <input type="checkbox"/> Cadmium          | <input type="checkbox"/> Potassium                 |
| <input type="checkbox"/> Calcium          | <input type="checkbox"/> Silver                    |
| <input type="checkbox"/> Chloride         | <input type="checkbox"/> Sodium                    |
| <input type="checkbox"/> Chromium         | <input type="checkbox"/> Sulfate                   |
| <input type="checkbox"/> Color            | <input type="checkbox"/> Total Dissolved<br>Solids |
| <input type="checkbox"/> Copper           | <input type="checkbox"/> Total Organic<br>Carbon   |
| <input type="checkbox"/> Cyanide          | <input type="checkbox"/> Total Solids              |
| <input type="checkbox"/> Fluoride         | <input type="checkbox"/> Turbidity                 |
| <input type="checkbox"/> Hardness         | <input type="checkbox"/> Zinc                      |
| <input type="checkbox"/> Hydrogen Sulfide | <input type="checkbox"/> Other: _____              |
| <input type="checkbox"/> Iron             |  |
| <input type="checkbox"/> Lead             |  |
| <input type="checkbox"/> MBAS             |  |
| <input type="checkbox"/> Magnesium        |  |
| <input type="checkbox"/> Manganese        | <input type="checkbox"/> Other: _____              |
| <input type="checkbox"/> Mercury          |  |
| <input type="checkbox"/> Nickel           |  |
| <input type="checkbox"/> Nitrate          |  |

## DISTRICT ANALYSES:

TDS \_\_\_\_\_ mg/l  
Turbidity \_\_\_\_\_ N.T.U.  
Color \_\_\_\_\_ C.U.  
pH \_\_\_\_\_  
Alkalinity \_\_\_\_\_ mg/l  
Other: \_\_\_\_\_  
\_\_\_\_\_ mg/l

## COMMENTS:

CC: DAVID PRICE-BDWP  
CINDY MASON-APPTL EAC  
KEITH LINDLER-B.S.H.W.M.  
  
(b) (6)  
P.O. Box 131  
CAMPIBELLO SC 29322

## RECEIVED:

(Regional) \_\_\_\_\_  
By \_\_\_\_\_  
(Central) 03/05/91  
By KAC

## RELEASED:

(Regional) \_\_\_\_\_  
By \_\_\_\_\_  
(Central) \_\_\_\_\_  
By \_\_\_\_\_



\*\*\*\*\*  
 \* SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL \*  
 \* ANALYTICAL SERVICES DIVISION LABORATORY REPORT \*  
 \*\*\*\*\*

SAMPLE NUMBER : C3C7918467  
 CHARGE NUMBER : WSH  
 COLLECTED BY : IND  
 COUNTY : SPARTANBURG  
 SAMPLE DESCRIPTION : MELVIN HILL ROAD

TUESDAY MARCH 19TH, 1991  
 RELEASE DATE : 03/19/91 13:31:17  
 DT COLLECTED : 03/07/91 10:50:00  
 SAMPLE MEDIUM : WATER  
 STATION CODE : WELL

ANALYSIS

STORET RESULT

ACENAPHTHENE MG/L	2261	<0.004
ACENAPHTHYLENE MG/L	2260	<0.004
ANTHRACENE MG/L	2230	<0.004
BENZO(A)ANTHRACENE MG/L	2300	<0.004
BENZO(B)FLUORANTHENE MG/L	2302	<0.004
BENZO(K)FLUORANTHENE MG/L	2304	<0.004
BENZO(A)PYRENE MG/L	2306	<0.004
BENZO(GHI)PERYLENE MG/L	2312	<0.004
BUTYLBENZYL PHTHALATE MG/L	2294	<0.004
BIS(2-CHLOROETHYL)ETHER MG/L		<0.004
BIS(2-CHLOROETHOXY)METHANE MG/L	2250	<0.004
BIS(2-ETHYLHEXYL)PHTHALATE MG/L	2298	<0.004
BIS(2-CHLOROISOPROPYL)ETHER MG/L		<0.004
4-BROMOPHENYL PHENYL ETHER MG/L	2276	<0.004
2-CHLORONAPHTHALENE MG/L	2253	<0.004
4-CHLOROPHENYL PHENYL ETHER MG/L	2313	<0.004
CHRYSENE MG/L	2296	<0.004
DIBENZO(A,H)ANTHRACENE MG/L	2310	<0.004
DI-N-BUTYLPHTHALATE MG/L	2290	<0.004
1,3-DICHLOROBEENZENE MG/L	2967	<0.004
1,2-DICHLOROBEENZENE MG/L	2968	<0.004
1,4-DICHLOROBEENZENE MG/L	2969	<0.004
3,3'-DICHLOROBENZIDINE MG/L	2320	<0.004

\*\*\*\*\*  
 \* SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL \*  
 \* ANALYTICAL SERVICES DIVISION LABORATORY REPORT \*  
 \*\*\*\*\*

SAMPLE NUMBER : C3C7918467  
 CHARGE NUMBER : ASR  
 COLLECTED BY : IND  
 COUNTY : SPARTANBURG  
 SAMPLE DESCRIPTION : MELVIN HILL ROAD

TUESDAY MARCH 19TH, 1991  
 RELEASE DATE : 03/19/91 13:31:17  
 DT COLLECTED : 03/07/91 10:50:00  
 SAMPLE MEDIUM : WATER  
 STATION CODE : WELL

ANALYSIS

STORET RESULT

PAGE 2

DIETHYL PHTHALATE MG/L	2254	<C.CC4
DIMETHYL PHTHALATE MG/L	2252	<C.CC4
2,4-DINITROTCUENE MG/L	2270	<C.CC4
2,6-DINITROTCUENE MG/L	2256	<C.CC4
DI-N-OCTYLPHTHALATE MG/L		<C.CC4
FLUORANTHENE MG/L	2236	<C.CC4
FLUORENE MG/L	2264	<C.CC4
HEXACHLORCBENZENE MG/L	2274	<C.CC4
HEXACHLORCBUTADIENE MG/L	2246	<C.CC4
HEXACHLORCETHANE MG/L		<C.CC4
INDENO(1,2,3-CD)PYRENE MG/L	2303	<C.CC4
ISOPHORONE MG/L	2262	<C.CC4
NAPHTHALENE MG/L	2248	<C.CC4
NITROBENZENE MG/L	2254	<C.CC4
N-NITROSCDI-N-PROPYLAMINE MG/L	2316	<C.CC4
PHENANTHRENE MG/L	2278	<C.CC4
PYRENE MG/L	2288	<C.CC4
1,2,4-TRICHLORCBENZENE MG/L	2378	<C.CC4
4-CHLORO-3-METHYL PHENOL MG/L	2330	<C.CC4
2-CHLOROPHENCL MG/L	2344	<C.CC4
2,4-DICHLOROPHENCL MG/L	2334	<C.CC4
2,4-DIMETHYL PHENCL MG/L	2336	<C.CC4
2,4-DINITROPHENCL MG/L	2328	<C.CC4
2-METHYL-4,6-DINITROPHENCL MG/L		<C.CC4
2-NITROPHENCL MG/L	2340	<C.CC4
4-NITROPHENOL MG/L	2342	<C.CC4
PENTACHLOROPHENCL MG/L	2326	<C.CC4

\*\*\*\*\*  
 \* SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
 \* ANALYTICAL SERVICES DIVISION LABORATORY REPORT  
 \*\*\*\*\*

SAMPLE NUMBER : 0107918467  
 CHARGE NUMBER : ASR  
 COLLECTED BY : IND  
 COUNTY : SPARTANBURG  
 SAMPLE DESCRIPTION : MELVIN HILL ROAD

TUESDAY MARCH 19TH, 1991  
 RELEASE DATE : 03/19/91 13:31:17  
 DT COLLECTED : 03/07/91 10:50:00  
 SAMPLE MEDIUM : WATER  
 STATION CODE : WELL

ANALYSIS

STORET RESULT

PAGE 3

PHENOL MG/L	2910	< .004
2,4,6-TRICHLOROPHENOL MG/L	2332	<0.004
BENZIDINE MG/L	2292	<0.004
HEXACHLOROCYCLOPENTADIENE MG/L	2042	<0.004
N-NITROSODIMETHYLAMINE MG/L	2314	<0.004
N-NITROSDIPHENYLAMINE MG/L		<0.004
ANILINE MG/L		<0.004
BENZYL ALCOHOL MG/L		<0.004
2-METHYLPHENOL MG/L		<0.004
4-METHYLPHENOL MG/L		<0.004
BENZOIC ACID MG/L		<0.004
4-CHLORCANILINE MG/L		<0.004
2-METHYL NAPHTHALENE MG/L		<0.004
2,4,5-TRICHLOROPHENOL MG/L		<0.004
2-NITROCANILINE MG/L		<0.004
3-NITROCANILINE MG/L		<0.004
DIBENZOFURAN MG/L		<0.004
4-NITROCANILINE MG/L		<0.004
AZOBENZENE MG/L		<0.004
2,4-D MG/L	2105	<0.00005
2,4,5-T MG/L		<0.000025
2,4,5-TP MG/L	2110	<0.000025
A-BHC MG/L	2348	<0.00005
B-BHC MG/L	2350	<0.00005
LINDANE MG/L	2010	<0.00005

\*\*\*\*\*  
 \* SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
 \* ANALYTICAL SERVICES DIVISION LABORATORY REPORT  
 \*\*\*\*\*

SAMPLE NUMBER : C307918467  
 CHARGE NUMBER : WSR  
 COLLECTED BY : IND  
 COUNTY : SPARTANBURG  
 SAMPLE DESCRIPTION : MELVIN HILL ROAD

TUESDAY MARCH 19TH, 1991  
 RELEASE DATE : 03/19/91 13:31:17  
 DT COLLECTED : 03/07/91 10:50:00  
 SAMPLE MEDIUM : WATER  
 STATION CODE : WELL

ANALYSIS

STORET RESULT

PAGE 4

HEPTACHLOR MG/L	2065	<C.CC005
HEPTACHLOR EPOXIDE MG/L	2067	<C.CC005
ALDRIN MG/L	2356	<C.CC005
DIELDRIN MG/L	2364	<C.CC005
ENDRIN MG/L	2005	<C.CC005
METHOXYCHLOR MG/L	2015	<C.CC005
P,P'-DDE MG/L		<C.CC005
P,P'-DDD MG/L		<C.CC005
P,P'-DDT MG/L		<C.CC005
O,P'-DDE MG/L		<C.CC005
O,P'-DDD MG/L		<C.CC005
O,P'-DDT MG/L		<C.CC005
CHLORDANE MG/L	2959	<C.CC005
TOXAPHENE MG/L	2020	<C.CC005
ENDOSULFAN I MG/L	2058	<C.CC005
ENDOSULFAN II MG/L	2072	<C.CC005
ENDOSULFAN SULFATE MG/L	2074	<C.CC005
ENDRIN ALDEHYDE MG/L	2372	<C.CC005
PCB 1016 MG/L	2388	<C.CC005
PCB 1221 MG/L	2390	<C.CC005
PCB 1232 MG/L	2392	<C.CC005
PCB 1242 MG/L	2394	<C.CC005
PCB 1248 MG/L	2396	<C.CC005
PCB 1254 MG/L	2498	<C.CC005
PCB 1260 MG/L	2400	<C.CC005
PCB 1262 MG/L		<C.CC005
ETHION MG/L		<C.CC001

\*\*\*\*\*  
 \* SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
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 \*\*\*\*\*

SAMPLE NUMBER : 0307918467  
 CHARGE NUMBER : WSR  
 COLLECTED BY : IND  
 COUNTY : SPARTANBURG  
 SAMPLE DESCRIPTION : MELVIN HILL ROAD

TUESDAY MARCH 19TH, 1991  
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ANALYSIS

STORET RESULT

PAGE 5

TRITHION MG/L		<C.C001
GUTHION MG/L	2059	<C.C001
MALATHION MG/L	2053	<C.C001
PARATHION MG/L		<C.C001
DIAZINON MG/L	2050	<C.C001
PHOSDRIN MG/L		<C.C001
MIREX MG/L		<C.C001
HCB MG/L		<C.C001
TOTAL PCB UG/L	2383	--
BENZENE MG/L	2990	<C.C005
BROMOBENZENE MG/L	2993	<C.C005
BROMOCHLOROMETHANE MG/L	2430	<C.C005
BROMODICHLOROMETHANE MG/L	2943	<C.C005
BROMOFORM MG/L	2942	<C.C005
BROMOMETHANE MG/L	2214	<C.C005
N-BUTYLENEZENE MG/L	2422	<C.C005
SEC-BUTYLBENZENE MG/L	2423	<C.C005
TERT-BUTYLENEZENE MG/L	2426	<C.C005
CARBON TETRACHLORIDE MG/L	2982	<C.C005
CHLOROBENZENE MG/L	2989	<C.C005
CHLOROETHANE MG/L	2216	<C.C005
CHLOROFORM MG/L	2941	<C.C005
CHLOROMETHANE MG/L	2210	<C.C005
2-CHLOROTOLUENE MG/L	2965	<C.C005
4-CHLOROTOLUENE MG/L	2966	<C.C005
DIBROMOCHLOROMETHANE MG/L	2944	<C.C005

\*\*\*\*\*  
 \* SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL \*  
 \* ANALYTICAL SERVICES DIVISION LABORATORY REPORT \*  
 \*\*\*\*\*

SAMPLE NUMBER : Q3C7918457  
 CHARGE NUMBER : \*SR  
 COLLECTED BY : IND  
 COUNTY : SPARTANBURG  
 SAMPLE DESCRIPTION : MELVIN HILL ROAD

TUESDAY MARCH 19TH, 1991  
 RELEASE DATE : 03/19/91 13:31:17  
 DT COLLECTED : 03/07/91 10:50:00  
 SAMPLE MEDIUM : WATER  
 STATION CODE : WELL

ANALYSIS

STCRET RESULT

PAGE 1

DIBROMOMETHANE MG/L	2403	<C.CC05
1,2-DICHLOROBENZENE MG/L	2963	<C.CC05
1,3-DICHLOROBENZENE MG/L	2967	<C.CC05
1,4-DICHLOROBENZENE MG/L	2969	<C.CC05
DICHLORODIFLUOROMETHANE MG/L	2212	<C.CC05
1,1-DICHLOROETHANE MG/L	2978	<C.CC05
1,2-DICHLOROETHANE MG/L	2980	<C.CC05
CIS-1,2-DICHLOROETHENE MG/L	2380	<C.CC05
TRANS-1,2-DICHLOROETHENE MG/L	2979	<C.CC05
1,1-DICHLOROETHYLENE MG/L	2977	<C.CC05
1,2-DICHLOROPROPANE MG/L	2983	<C.CC05
1,3-DICHLOROPROPANE MG/L	2412	<C.CC05
2,2-DICHLOROPROPANE MG/L	2416	<C.CC05
1,1-DICHLOROPROPENE MG/L	2410	<C.CC05
1,3-DICHLOROPROPENE MG/L	2223	<C.CC05
ETHYLBENZENE MG/L	2992	<C.CC05
HEXACHLOROBUTADIENE MG/L	2246	<C.CC05
ISOPROPYLBENZENE MG/L	2994	<C.CC05
P-ISOPROPYLTOLUENE MG/L	2030	<C.CC05
METHYLENE CHLORIDE MG/L	2964	<C.CC05
NAPHTHALENE MG/L	2242	<C.CC05
N-PROPYLBENZENE MG/L	2998	<C.CC05
STYRENE MG/L	2996	<C.CC05
1,1,1,2-TETRACHLOROETHANE MG/L	2986	<C.CC05
1,1,2,2-TETRACHLOROETHANE MG/L	2988	<C.CC05
TETRACHLOROETHENE MG/L	2937	<C.CC05
TOLUENE MG/L	2991	<C.CC05

\*\*\*\*\*  
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 \* ANALYTICAL SERVICES DIVISION LABORATORY REPORT  
 \*\*\*\*\*

SAMPLE NUMBER : J307918467  
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 COLLECTED BY : IND  
 COUNTY : SPARTANBURG  
 SAMPLE DESCRIPTION : MELVIN HILL ROAD

TUESDAY MARCH 19TH, 1991  
 RELEASE DATE : 03/19/91 13:31:17  
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 STATION CODE : WELL

ANALYSIS

STORET RESULT

PAGE 7

1,2,3-TRICHLOROBENZENE MG/L	2425	<C.CC05
1,2,4-TRICHLOROBENZENE MG/L	2378	<C.CC05
1,1,1-TRICHLOROETHANE MG/L	2981	<C.CC05
1,1,2-TRICHLOROETHANE MG/L	2985	<C.CC05
TRICHLOROETHYLENE MG/L	2954	<C.CC05
TRICHLOROFLUOROMETHANE MG/L	2213	<C.CC05
1,2,3-TRICHLOROPROPANE MG/L	2414	<C.CC05
1,2,4-TRIMETHYLBENZENE MG/L	2418	<C.CC05
1,3,5-TRIMETHYLBENZENE MG/L	2424	<C.CC05
VINYL CHLORIDE MG/L	2975	<C.CC05
O-XYLENE MG/L	2907	<C.CC05
M-XYLENE MG/L	2995	<C.CC05
P-XYLENE MG/L	2999	<C.CC05
1,2-DICLOROMC-3-CHLOROPROPANE MG/L	2931	<C.CC05
1,2-DICLOROMETHANE MG/L	2946	<C.CC05

COMMENTS:

(b) (6)

P.O. BOX 131  
 CAMPOBELLO, SC 29322

Ref. 8

REPORT OF INTERVIEW

DATE: March 13, 1991

BY: Hudson A. Waller  
Special Investigator, DHEC  
Office of Criminal Investigations

FILE: Arthur L. Pruitt  
Box 85, Melvin Hill Road  
Campobello, S.C. 29322

Mr. Pruitt said that he had helped clean up around Mr. Perry Belue's peach packing shed in 1986 or 1987, and that he had burned empty sacks, trash, and other materials from the shed. He said that they burned this junk in the field near the shed, and that he doesn't recall burning any spray material.

He said that he did throw empty sulphur sacks and "Captan" sacks in a dug well on Christopher Road. He said that the well was filled in but had sunk three (3) or four (4) feet, and he would put the sacks in the well and set them on fire. He said that he did this when he was working for Mr. Belue from around 1981 to 1987. He said that they put the bags in the well five (5) or six (6) times a year and probably 15 or 20 bags a year. He said he was told to burn the sacks by Mr. Belue, but that it was his idea to put them in the well. He said that the reason he burned them in the well was to keep the fire contained.

He said that he remembered an old barn on the (b) (6) property, and that it had had various things stored in it. He said that this barn dated back to the 1950's, and that it was torn down while he was away. He said the barn was on the (b) (6) property before Mr. Belue bought it.

He said that he has no knowledge of anything being put in the old dug well by anyone, and that he did not put anything in the well. He said that Furman Johnson who lives in Valley Falls might know about anything in the well as he worked for Mr. Belue when the barn was torn down.



RECEIVED

APR - 8 1991

S. C. C. H. E. C.  
SPARTANBURG

7409 Chalk Way  
Riverdale, Ga 30291  
April 1, 1991

Ref. 9

Dear Ms. Mason,

In reply to your letter dated March 25, 1991, I hereby grant you permission to enter my property on Christopher Road to investigate the abandoned well you mentioned. I trust your crew will return everything to its previous condition.

Also, I would like a copy of the report made on the condition of this property, with special reference to how the water table is affected and any restrictions or advisements regarding the drilling of a well on this property.

Thank you for bringing this to my attention.

Yours truly  
(b) (6)

RECEIVED

APR 8 1991

S. C. Dept. of Health & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management



6-17-91  
+15  
Field Services

Ref. 10  
RECEIVED

JUN 13 1991

**MEMORANDUM**

S.C. Dept. of Health & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management

**TO: GIL TRENTANOVE**

**FROM: CHRISTOPHER M. LOCK**

**RE: BELUE PROPERTY ((b) (6) SITE, CHRISTOPHER ROAD SITE)  
CAMPABELLO, SOUTH CAROLINA**

**DATE: JUNE 4, 1991**

On March 21, 1991 I accompanied Hudson Waller and you to the above referenced location to observe two dug wells. Over the years these wells had been abandoned using all types of debris including old pesticide and herbicide containers. At the (b) (6) location a backhoe had been used to dig down about 12 feet and unearth some debris. It was decided that we would return to the site and attempt to hand auger down both wells in order to obtain a sample.

On April 22, 1991 I returned to the site with a hand auger and attempted to auger down at both locations. At the (b) (6) site I augered down an additional 2 feet below the existing grade on several occasions but encountered concrete each time. We were therefor unable to obtain a sample. We then went to the Christopher Road site and obtained a sample from the debris in that well. I was only able to auger down to a depth of approximately 3 feet. This sample was then transported to General Engineering Laboratory for analysis.

We arrived back at the (b) (6) site on April 29, 1991 and dug out the well to a depth of 25' feet using a tracked excavator. Samples were taken from the soils and materials encountered, and submitted to the lab for analysis. All type of debris was observed during the excavation including metal containers, trash, concrete etc. Once the samples were taken the hole was backfilled. No debris was placed in the excavation. We than proceeded to the site on Christopher Road.

We did the same thing at this location, digging down to 25 feet and removing all the debris. Samples were also taken from the materials removed from the excavation. The upper 8-10 feet of the well was filled with garbage, much of which appeared to have been burned. The soils below 10 feet had a white sandy texture along with the native clay soils.

This excavation was then backfilled using only the soils removed from the hole not the debris. Once analytical results on the debris is received, proper disposal of this material will be arranged. Photographs of the material removed from both excavations were taken.

Picture taken by  
Melby on 10/10/71

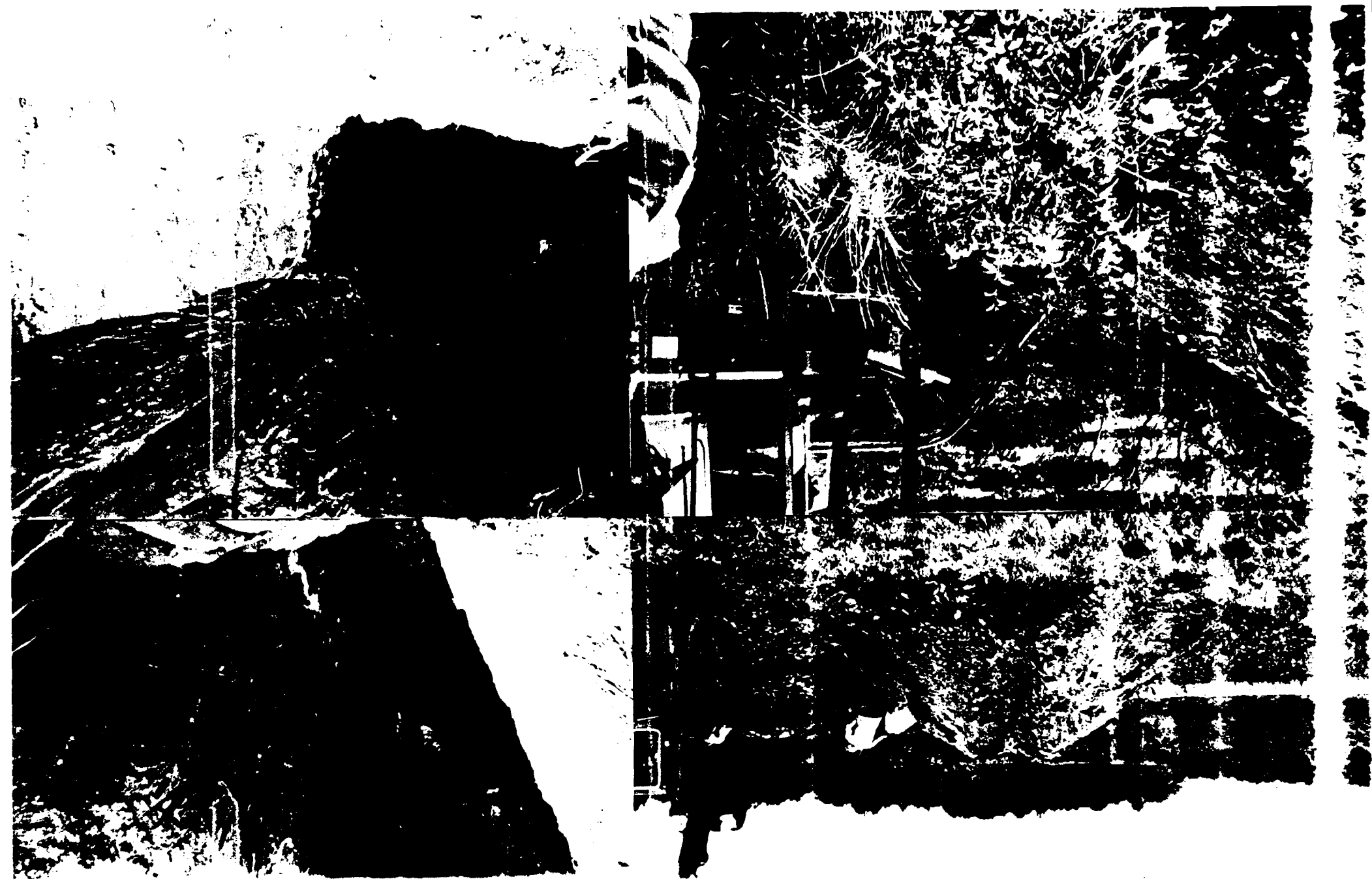




Small, dark, irregularly shaped object, possibly a piece of debris or a small animal, resting on a light-colored, textured surface.



Photo taken 10/1/79  
at 10:00 AM  
10/1/79





# GENERAL ENGINEERING LABORATORIES

Environmental Engineering and Analytical Services

Molly F. Greene  
President

George C. Greene, P.E., Ph.D.  
Vice President  
SC Registration No. 9103

Laboratory Certifications:  
FL E87156, 87294  
NC 253  
SC 10120  
VA 00151  
TN 02934

## CERTIFICATE OF ANALYSIS

Client: LAIDLAW ENV. SVCS.-TANK MGMT. DIV.  
PO BOX 61660  
CHARLESTON, SC 29419-1660

Contact: MR. MIKE McCLUNG

Released by:

Date: 06/11/91

QA/QC Officer

Page No.: 1

cc/fc: GXTM/GXTMP

Project Manager: Edie M. Kent

Sample ID : BELUE FARM  
(b) (6)  
SITE  
Lab ID : 91042627  
Sample Matrix : LIQUID  
Date Collected: 04/29/91  
Date Received : 04/30/91  
Priority : Routine  
Collected by : Client

TOTAL ALKALINITY (as CaCO<sub>3</sub>) 155 ppm  
CHLORIDES 1.99 ppm  
PH - LAB 6.85 @ 21C  
SULFATE (as SO<sub>4</sub>) 12.1 ppm  
ALUMINUM 26 ppm  
ARSENIC <1.25 ppm  
BARIUM 0.09 ppm  
CADMIUM <0.01 ppm  
CALCIUM 47 ppm  
CHROMIUM <0.03 ppm  
COPPER 0.05 ppm  
IRON 20 ppm  
LEAD <1.25 ppm  
MAGNESIUM 7 ppm  
MANGANESE 0.56 ppm  
MERCURY <0.5 ppb  
NICKEL <0.03 ppm  
POTASSIUM 7.8 ppm  
SILVER <0.03 ppm  
ZINC 0.18 ppm  
ACID DIGESTION YES  
DIGESTION FOR MERCURY ANALYSIS YES  
APPENDIX IX - ACID COMPOUNDS  
2-CHLOROPHENOL <10 ppb  
P-CHLORO-M-CRESOL <10 ppb  
O-CRESOL <10 ppb  
M-CRESOL <10 ppb  
P-CRESOL <10 ppb  
2,4-DICHLOROPHENOL <10 ppb

RECEIVED

JUN 13 1991

S.C. Dept. of Health & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management





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Laboratory Certifications:  
FL 187156/87294  
NC 233  
SC 10120  
VA 00151  
TN 02934

## CERTIFICATE OF ANALYSIS

Client: LAIDLAW ENV. SVCS.-TANK MGMT. DIV.  
PO BOX 61660  
CHARLESTON, SC 29419-1660  
Contact: MR. MIKE McCLUNG

Date: 06/11/91

cc/fc: GXTM/GXTMP Project Manager: Edie N. Kent

Page No.: 2

Sample ID : BELUE FARM  
(b) (6)  
SITE  
Lab ID : 91042627  
Date Received : 04/30/91

2,6-DICHLOROPHENOL	<10 ppb
2,4-DIMETHYLPHENOL	<10 ppb
4,6-DINITRO-O-CRESOL	<10 ppb
2,4-DINITROPHENOL	<45 ppb
2-SEC-BUTYL-4,6-DINITROPHENOL	<10 ppb
HEXACHLOROPHENE	<10 ppb
O-NITROPHENOL	<10 ppb
P-NITROPHENOL	<10 ppb
PENTACHLOROPHENOL	<10 ppb
PHENOL	<10 ppb
2,3,4,6-TETRACHLOROPHENOL	<10 ppb
2,4,5-TRICHLOROPHENOL	<10 ppb
2,4,6-TRICHLOROPHENOL	<10 ppb
SAMPLE PREP - ACID COMPOUNDS	YES
APPENDIX IX - B/N COMPOUNDS	
ACENAPHTHENE	<10 ppb
ACENAPHTHYLENE	<10 ppb
ACETOPHENONE	<10 ppb
2-ACETYLAMINOFLUORENE	<10 ppb
4-AMINOBIIPHENYL	<10 ppb
ANILINE	<10 ppb
ANTHRACENE	<10 ppb
ARAMITE	<10 ppb
BENZO(A)ANTHRACENE	<10 ppb
BENZO(B)FLUORANTHENE	<10 ppb
BENZO(K)FLUORANTHENE	<10 ppb
BENZO(GHI)PERYLENE	<10 ppb
BENZO(A)PYRENE	<10 ppb
BENZYL ALCOHOL	<20 ppb
BIS(2-CHLOROETHOXY)METHANE	<10 ppb
BIS(2-CHLOROETHYL)ETHER	<10 ppb
BIS(2-ETHYLHEXYL)PHTHALATE	<10 ppb
4-BROMOPHENYL PHENYL ETHER	<10 ppb



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Vice President  
SC Registration No. 9103

Laboratory Certifications:

FL	EB7156/87294
NC	233
SC	10120
VA	00151
TN	02934

## CERTIFICATE OF ANALYSIS

Client: LAIDLAW ENV. SVCS.-TANK MGMT. DIV.  
PO BOX 61660  
CHARLESTON, SC 29419-1660  
Contact: MR. MIKE McCLUNG

Date: 06/11/91

cc/fc: GXTM/GXTMP

Project Manager: Edie M. Kent

Page No.: 3

Sample ID : BELUE FARM  
(b) (6)  
SITE  
Lab ID : 91042627  
Date Received : 04/30/91

BUTYL BENZYL PHTHALATE	<10 ppb
P-CHLOROANILINE	<10 ppb
CHLOROBENZILATE	<10 ppb
2-CHLORONAPHTHALENE	<10 ppb
4-CHLOROPHENYL PHENYL ETHER	<10 ppb
CHRYSENE	<10 ppb
DIALATE	<10 ppb
DIBENZ(AH)ANTHRACENE	<10 ppb
DIBENZOFURAN	<10 ppb
DI-N-BUTYL PHTHALATE	<10 ppb
O-DICHLOROBENZENE	<10 ppb
M-DICHLOROBENZENE	<10 ppb
P-DICHLOROBENZENE	<10 ppb
3,3'-DICHLOROBENZIDINE	<20 ppb
DIETHYL PHTHALATE	<10 ppb
THIONAZIN	Not Det'd
DIMETHOATE	<10 ppb
P-(DIMETHYLAMINO)AZOBENZENE	<10 ppb
7,12-DIMETHYLBENZ(A)ANTHRACENE	<10 ppb
3,3'-DIMETHYLBENZIDINE	<10 ppb
a,a-DIMETHYLPHENETHYLAMINE	<10 ppb
DIMETHYL PHTHALATE	<10 ppb
M-DINITROBENZENE	<10 ppb
2,4-DINITROTOLUENE	<10 ppb
2,6-DINITROTOLUENE	<10 ppb
DI-N-OCTYL PHTHALATE	<10 ppb
DIPHENYLAMINE	<10 ppb
DISULFOTON	<10 ppb
ETHYL METHANESULFONATE	<10 ppb
FAMPHUR	<10 ppb
FLUORANTHENE	<10 ppb
FLUORENE	<10 ppb
HEXACHLOROBENZENE	<10 ppb



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SC Registration No. 9103

Laboratory Certifications:  
FL E87156/87294  
NC 233  
SC 10120  
VA 00151  
TN 02931

## CERTIFICATE OF ANALYSIS

Client: LAIDLAW ENV. SVCS.-TANK MGMT. DIV.  
PO BOX 61660  
CHARLESTON, SC 29419-1660  
Contact: MR. MIKE McCLUNG

Date: 06/11/91

cc/fc: GXTM/GXTMP

Project Manager: Edie M. Kent

Page No.: 4

Sample ID : BELUE FARM  
(b) (6)  
SITE  
Lab ID : 91042627  
Date Received : 04/30/91

HEXACHLOROBUTADIENE	<10 ppb
HEXACHLOROCYCLOPENTADIENE	<10 ppb
HEXACHLOROETHANE	<10 ppb
HEXACHLOROPROPENE	<10 ppb
INDENO(1,2,3-CD)PYRENE	<10 ppb
ISODRIN	<10 ppb
ISOPHORONE	<10 ppb
ISOSAFROLE	<10 ppb
KEPONE	<10 ppb
METHAPYRILENE	<10 ppb
3-METHYLCHOLANTHRENE	<10 ppb
METHYL METHANESULFONATE	<10 ppb
2-METHYLNAPHTHALENE	<10 ppb
NAPHTHALENE	<10 ppb
1,4-NAPHTHOQUINONE	<10 ppb
1-NAPHTHYLAMINE	<10 ppb
2-NAPHTHYLAMINE	<10 ppb
O-NITROANILINE	<10 ppb
M-NITROANILINE	<10 ppb
P-NITROANILINE	<10 ppb
NITROBENZENE	<10 ppb
4-NITROQUINOLINE 1-OXIDE	<10 ppb
N-NITROSODI-N-BUTYLAMINE	<10 ppb
N-NITROSODIETHYLAMINE	<10 ppb
N-NITROSODIMETHYLAMINE	<10 ppb
N-NITROSODIPHENYLAMINE	<10 ppb
N-NITROSODIPROPYLAMINE	<10 ppb
N-NITROSOMETHYLETHYLAMINE	<10 ppb
N-NITROSOMORPHOLINE	<10 ppb
N-NITROPIPERIDINE	<10 ppb
N-NITROSPYRROLIDINE	<10 ppb
5-NITRO-O-TOLUIDINE	<10 ppb
PC DIBENZO-P-DIOXINS	Not Det'd



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Vice President  
SC Registration No. 9103

Laboratory Certifications:  
FL E87156/87294  
NC 233  
SC 10120  
VA 00151  
TN 02934

## CERTIFICATE OF ANALYSIS

Client: LAIDLAW ENV. SVCS.-TANK MGMT. DIV.  
PO BOX 61660  
CHARLESTON, SC 29419-1660  
Contact: MR. MIKE McCLUNG

Date: 06/11/91

cc/fc: GXTM/GXTMP

Project Manager: Edie M. Kent

Page No.: 5

Sample ID : BELUE FARM  
(b) (6)  
SITE  
Lab ID : 91042627  
Date Received : 04/30/91

PENTACHLOROBENZENE	<10 ppb
PENTACHLOROETHANE	<10 ppb
PENTACHLORONITROBENZENE	<10 ppb
PHENACETIN	<10 ppb
PHENANTHRENE	<10 ppb
P-PHENYLENEDIAMINE	<10 ppb
2-PICOLINE	<10 ppb
PRONAMIDE	<10 ppb
PYRENE	<10 ppb
PYRIDINE	<10 ppb
SAFROLE	<10 ppb
1,4-DIOXANE	<10 ppb
ETHYL METHACRYLATE	<10 ppb
METHYL METHACRYLATE	<330 ppb
1,2,4,5-TETRACHLOROBENZENE	<330 ppb
1,2,4-TRICHLOROBENZENE	<330 ppb
O-TOLUIDINE	<330 ppb
O,O,O-TRIETHYLPHOSPHOROTHIOATE	<330 ppb
SYM-TRINITROBENZENE	<330 ppb
SULFOTEPP	<330 ppb
SAMPLE PREP - B/N COMPOUNDS	YES
APP. IX - Pesticide/Herbicide	
ALDRIN	<0.5 ppb
ALPHA-BHC	<0.5 ppb
BETA-BHC	<0.5 ppb
DELTA-BHC	<0.5 ppb
GAMMA-BHC	<0.5 ppb
CHLORDANE	<0.5 ppb
2,4-D	<0.5 ppb
4,4'-DDD	<0.5 ppb
4,4'-DDE	<0.5 ppb
4,4'-DDT	<0.5 ppb
DIELDRIN	<0.5 ppb



# GENERAL ENGINEERING LABORATORIES

Environmental Engineering and Analytical Services

Molly F. Greene  
President

George C. Greene, P.E., Ph.D.  
Vice President  
SC Registration No. 9103

Laboratory Certifications:  
FL E87156/87294  
NC 233  
SC 10120  
VA 00151  
TN 02934

## CERTIFICATE OF ANALYSIS

Client: LAIDLAW ENV. SVCS.-TANK MGMT. DIV.  
PO BOX 61660  
CHARLESTON, SC 29419-1660  
Contact: MR. MIKE McCLUNG

Date: 06/11/91

cc/fc: GXTM/GXTMP

Project Manager: Edie M. Kent

Page No.: 6

Sample ID : BELUE FARM  
(b) (6)  
SITE  
Lab ID : 91042627  
Date Received : 04/30/91

ENDOSULFAN I	<0.5 ppb
ENDOSULFAN II	<0.5 ppb
ENDOSULFAN SULFATE	<0.5 ppb
ENDRIN	<0.5 ppb
ENDRIN ALDEHYDE	<0.5 ppb
HEPTACHLOR	<0.5 ppb
HEPTACHLOR EPOXIDE	<0.5 ppb
METHOXYCHLOR	<3.5 ppb
METHYL PARATHION	<0.5 ppb
PARATHION	<0.5 ppb
PCB 1016	<0.5 ppb
PCB 1221	<0.5 ppb
PCB 1232	<0.5 ppb
PCB 1242	<0.5 ppb
PCB 1248	<0.5 ppb
PCB 1254	<0.5 ppb
PCB 1260	<0.5 ppb
PCB 1262	<0.5 ppb
PHORATE	<0.5 ppb
SILVEX	<0.5 ppb
2,4,5-T	<0.5 ppb
TOXAPHENE	<5.0 ppb
SAMPLE PREP - PESTICIDES	YES
SAMPLE PREP - HERBICIDES	YES
BENZENE	2990 <0.5 ppb
CARBON TETRACHLORIDE	2982 <0.5 ppb
p-DICHLOROBENZENE	2969 <0.5 ppb
1,2-DICHLOROETHANE	2980 <0.5 ppb
1,1-DICHLOROETHENE	2977 <0.5 ppb
1,1,1-TRICHLOROETHANE	2981 <0.5 ppb
TRICHLOROETHENE	2984 <0.5 ppb
VINYL CHLORIDE	2976 <0.5 ppb
SDWA - Unregulated Organics	



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NC 233  
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Date: 06/11/91

cc/fo: GXTM/GXTMP

Project Manager: Edie M. Kent

Page No.: 8

Sample ID : BELUE FARM  
<b><6>  
SITE  
Lab ID : 91042627  
Date Received : 04/30/91

NAPHTHALENE	2248	<0.5 ppb
n-PROPYLBENZENE	2998	<0.5 ppb
STYRENE	2996	<0.5 ppb
1,1,1,2-TRICHLOROETHANE	2986	<0.5 ppb
1,1,2,2-TRICHLOROETHANE	2988	<0.5 ppb
TETRACHLOROETHENE	2987	<0.5 ppb
TOLUENE	2991	<0.5 ppb
1,2,3-TRICHLOROBENZENE	2420	<0.5 ppb
1,2,4-TRICHLOROBENZENE	2373	<0.5 ppb
1,1,2-TRICHLOROETHANE	2985	<0.5 ppb
1,2,3-TRICHLOROPROPANE	2414	<0.5 ppb
1,2,4-TRIMETHYLBENZENE	2418	<0.5 ppb
1,3,5-TRIMETHYLBENZENE	2424	<0.5 ppb
m-XYLENE	2995	<0.5 ppb
o-XYLENE	2997	<0.5 ppb
p-XYLENE	2999	<0.5 ppb
1,2-DIBROMO-3-CHLOROPROPANE	2931	<0.02 ppb
ETHYLENE DIBROMIDE	2946	<0.02 ppb



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Vice President  
SC Registration No. 9103

## Laboratory Certifications:

FL	887156/87294
NC	235
SC	10120
VA	00151
TN	02931

## CERTIFICATE OF ANALYSIS

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PO BOX 61660  
CHARLESTON, SC 29419-1660  
Contact: MR. MIKE MCCLUNG

Date: 06/11/91

cc/fc: GXTM/GXTMP

Project Manager: Edie M. Kent

Page No.: 7

Sample ID : BELUE  
FARM (b)  
(6) SITE  
Lab ID : 91042627  
Date Received : 04/30/91

BROMOBENZENE	2993	<0.5 ppb
BROMOCHLOROMETHANE	2430	<0.5 ppb
BROMODICHLOROMETHANE	2943	<0.5 ppb
BROMOFORM	2942	<0.5 ppb
BROMOMETHANE	2214	<0.5 ppb
n-BUTYLBENZENE	2422	<0.5 ppb
sec-BUTYLBENZENE	2428	<0.5 ppb
tert-BUTYLBENZENE	2426	<0.5 ppb
CHLOROBENZENE	2989	<0.5 ppb
CHLORODIBROMOMETHANE	2944	<0.5 ppb
CHLOROETHANE	2216	<0.5 ppb
CHLOROFORM	2941	<0.5 ppb
CHLOROMETHANE	2210	<0.5 ppb
o-CHLOROTOLUENE	2965	<0.5 ppb
p-CHLOROTOLUENE	2966	<0.5 ppb
DIBROMOMETHANE	2408	<0.5 ppb
m-DICHLOROBENZENE	2967	<0.5 ppb
o-DICHLOROBENZENE	2968	<0.5 ppb
DICHLOROFLUOROMETHANE	2212	<0.5 ppb
1,1-DICHLOROETHANE	2978	<0.5 ppb
cis-1,2-DICHLOROETHENE	2380	<0.5 ppb
trans-1,2-DICHLOROETHENE	2979	<0.5 ppb
DICHLOROMETHANE	2964	<0.5 ppb
1,2-DICHLOROPROPANE	2983	<0.5 ppb
1,3-DICHLOROPROPANE	2412	<0.5 ppb
2,2-DICHLOROPROPANE	2416	<0.5 ppb
1,1-DICHLOROPROPENE	2410	<0.5 ppb
1,3-DICHLOROPROPENE	2228	<0.5 ppb
ETHYLBENZENE	2992	<0.5 ppb
FLUOROTRICHLOROMETHANE	2218	<0.5 ppb
HEXACHLOROBUTADIENE	2246	<0.5 ppb
ISOPROPYLBENZENE	2994	<0.5 ppb
p-ISOPROPYLTOLUENE	2030	<0.5 ppb







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FL 187156 87294  
NC 233  
SC 10120  
VA 00151  
TN 02931

## CERTIFICATE OF ANALYSIS

Client: LAIDLAW ENV. SVCS.-TANK MGMT. DIV.  
PO BOX 61660  
CHARLESTON, SC 29419-1660

Contact: MR. MIKE McCLUNG

Released by:

Date: 06/13/91

*Robert J. Fullam*  
QA/QC Officer

cc/for: GXTM/GXTMO

Project Manager: Edie M. Kent

Page No.: 1

Sample ID :	BELUE FARM (b)(6) FARM
	(b)(6) SITE
Lab ID :	91042626 91042628
Sample Matrix :	SOLID SOLID
Date Collected:	04/29/91 04/29/91
Date Received :	04/30/91 04/30/91
Priority :	Routine Routine
Collected by :	Client Client

CHLORIDES	<1.0 ppm	<1.0 ppm
NITROGEN, AMMONIA (as N)	0.32 ppm	0.14 ppm
PH - SOLID	6.28 @ 23C	5.84 @ 23C
SULFATE (as SO4)	<5.0 ppm	<5.0 ppm
ALUMINUM	12000 ppm	17000 ppm
ARSENIC	<2.5 ppm	<2.5 ppm
BARIUM	99 ppm	58 ppm
CADMIUM	<2.5 ppm	<2.5 ppm
CALCIUM	240 ppm	320 ppm
CHROMIUM	5.8 ppm	20 ppm
COPPER	49 ppm	38 ppm
IRON	26000 ppm	30000 ppm
LEAD	77 ppm	28 ppm
MAGNESIUM	2600 ppm	2200 ppm
MANGANESE	1200 ppm	670 ppm
MERCURY	<0.20 ppm	<0.20 ppm
NICKEL	1400 ppm	220 ppm
POTASSIUM	2200 ppm	2200 ppm
SILVER	<1.0 ppm	<1.0 ppm
ZINC	130 ppm	40 ppm
ACID DIGESTION	YES	YES
DIGESTION FOR MERCURY ANALYSIS	YES	YES
PHOSPHORUS (as P), TOTAL	1.4 ppm	2.9 ppm
BENZENE 2990	<10 ppb	<10 ppb
CARBON TETRACHLORIDE 2982	<10 ppb	<10 ppb
p-DICHLOROBENZENE 2969	<10 ppb	<10 ppb
1,2-DICHLOROETHANE 2980	<10 ppb	<10 ppb
1,1-DICHLOROETHENE 2977	<10 ppb	<10 ppb
1,1,1-TRICHLOROETHANE 2981	<10 ppb	<10 ppb

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JUN 13 1991

S. C. Dept. of Health & Environmental  
Control-Bureau of Solid & Hazardous  
Waste Management



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President

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Vice President  
SC Registration No. 9103

## Laboratory Certifications:

FL	E87156-87294
NC	255
SC	10130
VA	00151
TN	02934

## CERTIFICATE OF ANALYSIS

Client: LAIDLAW ENV. SVCS.-TANK MGMT. DIV.  
PO BOX 61660  
CHARLESTON, SC 29419-1660  
Contact: MR. MIKE MCCLUNG

Date: 06/12/91

cc/fc: GXTM/GXTMQ

Project Manager: Edie M. Kent

Page No.: 2

Sample ID	:	BELUE FARM	BELUE FARM
		(b) (6)	(b) (6)
		SITE	SITE
Lab ID	:	91042626	91042628
Date Received	:	04/30/91	04/30/91

TRICHLOROETHENE	2984	<10 ppb	<10 ppb
VINYL CHLORIDE	2976	<10 ppb	<10 ppb
SDWA - Unregulated Organics	524		524
BROMOBENZENE	2993	<10 ppb	<5 ppb
BROMOCHLOROMETHANE	2430	<10 ppb	<5 ppb
BROMODICHLOROMETHANE	2943	<10 ppb	<5 ppb
BROMOFORM	2942	<10 ppb	<5 ppb
BROMOMETHANE	2214	<10 ppb	<5 ppb
n-BUTYLBENZENE	2422	<10 ppb	<5 ppb
sec-BUTYLBENZENE	2428	<10 ppb	<5 ppb
tert-BUTYLBENZENE	2426	<10 ppb	<5 ppb
CHLOROBENZENE	2989	<10 ppb	<5 ppb
CHLORODIBROMOMETHANE	2944	<10 ppb	<5 ppb
CHLOROETHANE	2216	<10 ppb	<5 ppb
CHLOROFORM	2941	<10 ppb	<5 ppb
CHLOROMETHANE	2210	<10 ppb	<5 ppb
o-CHLOROTOLUENE	2965	<10 ppb	<5 ppb
p-CHLOROTOLUENE	2966	<10 ppb	<5 ppb
DIBROMOMETHANE	2408	<10 ppb	<5 ppb
m-DICHLOROBENZENE	2967	<10 ppb	<5 ppb
o-DICHLOROBENZENE	2968	<10 ppb	<5 ppb
DICHLOROFLUOROMETHANE	2212	<10 ppb	<5 ppb
1,1-DICHLOROETHANE	2978	<10 ppb	<5 ppb
cis-1,2-DICHLOROETHENE	2380	<10 ppb	<5 ppb
trans-1,2-DICHLOROETHENE	2979	<10 ppb	<5 ppb
DICHLOROMETHANE	2964	<100 ppb	<50 ppb
1,2-DICHLOROPROPANE	2983	<10 ppb	<5 ppb
1,3-DICHLOROPROPANE	2412	<10 ppb	<5 ppb
2,2-DICHLOROPROPANE	2416	<10 ppb	<5 ppb
1,1-DICHLOROPROPENE	2410	<10 ppb	<5 ppb
1,3-DICHLOROPROPENE	2228	<10 ppb	<5 ppb
ETHYLBENZENE	2992	<10 ppb	<5 ppb
FLUOROTRICHLOROMETHANE	2218	<10 ppb	<5 ppb



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Vice President  
SC Registration No. 9103

Laboratory Certifications:  
FL E87156/87291  
NC 233  
SC 10120  
VA 00151  
TN 02934

## CERTIFICATE OF ANALYSIS

Client: LAIDLAW ENV. SVCS.-TANK MGMT. DIV.  
PO BOX 61660  
CHARLESTON, SC 29419-1660  
Contact: MR. MIKE McCLUNG

Date: 06/12/91

Ref: GXTM/GXTMQ

Project Manager: Edie M. Kent

Page No.: 3

Sample ID	:	BELUE FARM	BELUE FARM
		<b><6>	(b) (6)
		SITE	SITE
Lab ID	:	91042626	91042628
Date Received	:	04/30/91	04/30/91

HEXACHLOROBUTADIENE	2246	<10 ppb	<5 ppb
ISOPROPYLBENZENE	2994	<10 ppb	<5 ppb
p-ISOPROPYLTOLUENE	2030	<10 ppb	<5 ppb
NAPHTHALENE	2248	<10 ppb	<5 ppb
n-PROPYLBENZENE	2998	<10 ppb	<5 ppb
STYRENE	2996	<10 ppb	<5 ppb
1,1,1,2-TRICHLOROETHANE	2986	<10 ppb	<5 ppb
1,1,2,2-TRICHLOROETHANE	2988	<10 ppb	<5 ppb
TETRACHLOROETHENE	2987	<10 ppb	<5 ppb
TOLUENE	2991	<10 ppb	<5 ppb
1,2,3-TRICHLOROBENZENE	2420	<10 ppb	<5 ppb
1,2,4-TRICHLOROBENZENE	2378	<10 ppb	<5 ppb
1,1,2-TRICHLOROETHANE	2985	<10 ppb	<5 ppb
1,2,3-TRICHLOROPROPANE	2414	<10 ppb	<5 ppb
1,2,4-TRIMETHYLBENZENE	2418	<10 ppb	<5 ppb
1,3,5-TRIMETHYLBENZENE	2424	<10 ppb	<5 ppb
m-XYLENE	2995	<10 ppb	<5 ppb
o-XYLENE	2997	<10 ppb	<5 ppb
p-XYLENE	2999	<10 ppb	<5 ppb
1,2-DIBROMO-3-CHLOROPROPANE	2931	<10 ppb	<10 ppb
ETHYLENE DIBROMIDE	2946	<10 ppb	<10 ppb
METHYLENE CHLORIDE		<100 ppb	<50 ppb
1,1-DICHLOROETHYLENE		<10 ppb	<10 ppb
DIBROMOCHLOROMETHANE		<10 ppb	<10 ppb
1,2-DICHLOROBENZENE		<10 ppb	<10 ppb
1,4-DICHLOROBENZENE		<10 ppb	<10 ppb
APPENDIX IX - B/N COMPOUNDS			
ACENAPHTHENE		<330 ppb	<330 ppb
ACENAPHTHYLENE		<330 ppb	<330 ppb
ACETOPHENONE		<330 ppb	<330 ppb
2-ACETYLAMINOFLUORENE		<330 ppb	<330 ppb
4-AMINOBIIPHENYL		<330 ppb	<330 ppb
ANILINE		<330 ppb	<330 ppb



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Molly F. Greene  
President

George C. Greene, P.E., Ph.D.  
Vice President  
SC Registration No. 9103

Laboratory Certifications:  
FL E87156 87294  
NC 255  
SC 10120  
VA 00151  
TN 02954

## CERTIFICATE OF ANALYSIS

Client: LAIDLAW ENV. SVCS.-TANK MGMT. DIV.  
PO BOX 61660  
CHARLESTON, SC 29419-1660  
Contact: MR. MIKE McCLUNG

Date: 06/12/91

cc/fc: GXTM/GXTMQ

Project Manager: Edie M. Kent

Page No.: 4

Sample ID	:	BELUE FARM	BELUE FARM
		(S)(6)	(b) (6)
		SITE	SITE
Lab ID	:	91042626	91042628
Date Received	:	04/30/91	04/30/91

ANTHRACENE	<330 ppb	<330 ppb
ARAMITE	<330 ppb	<330 ppb
BENZO(A)ANTHRACENE	<330 ppb	<330 ppb
BENZO(B)FLUORANTHENE	<330 ppb	<330 ppb
BENZO(K)FLUORANTHENE	<330 ppb	<330 ppb
BENZO(GH)PERYLENE	<330 ppb	<330 ppb
BENZO(A)PYRENE	<330 ppb	<330 ppb
BENZYL ALCOHOL	<660 ppb	<660 ppb
BIS(2-CHLOROETHOXY)METHANE	<330 ppb	<330 ppb
BIS(2-CHLOROETHYL)ETHER	<330 ppb	<330 ppb
BIS(2-ETHYLHEXYL)PHTHALATE	<330 ppb	<330 ppb
4-BROMOPHENYL PHENYL ETHER	<330 ppb	<330 ppb
BUTYL BENZYL PHTHALATE	<330 ppb	<330 ppb
P-CHLOROANILINE	<330 ppb	<330 ppb
CHLOROBENZILATE	<330 ppb	<330 ppb
2-CHLORONAPHTHALENE	<330 ppb	<330 ppb
4-CHLOROPHENYL PHENYL ETHER	<330 ppb	<330 ppb
CHRYSENE	<330 ppb	<330 ppb
DIALATE	<330 ppb	<330 ppb
DIBENZ(AH)ANTHRACENE	<330 ppb	<330 ppb
DIBENZOFURAN	<330 ppb	<330 ppb
DI-N-BUTYL PHTHALATE	<330 ppb	<330 ppb
O-DICHLOROBENZENE	<330 ppb	<330 ppb
M-DICHLOROBENZENE	<330 ppb	<330 ppb
P-DICHLOROBENZENE	<330 ppb	<330 ppb
3,3'-DICHLOROBENZIDINE	<660 ppb	<660 ppb
DIETHYL PHTHALATE	<330 ppb	<330 ppb
THIONAZIN	<330 ppb	Not Det'd
DIMETHOATE	<330 ppb	<330 ppb
P-(DIMETHYLAMINO)AZOBENZENE	<330 ppb	<330 ppb
7,12-DIMETHYLBENZ(A)ANTHRACENE	<330 ppb	<330 ppb
3,3'-DIMETHYLBENZIDINE	<330 ppb	<330 ppb
4,4-DIMETHYLPHENETHYLAMINE	<330 ppb	<330 ppb



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SC	10120
VA	00151
TN	02934

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PO BOX 61660  
CHARLESTON, SC 29419-1660  
Contact: MR. MIKE McCLUNG

Date: 06/12/91

cc/fc: GXTM/GXTMQ

Project Manager: Edie M. Kent

Page No.: 5

Sample ID	:	BELUE FARM (b) (6) SITE	BELUE FARM (b) (6) SITE
Lab ID	:	91042626	91042628
Date Received	:	04/30/91	04/30/91

DIMETHYL PHTHALATE	<330 ppb	<330 ppb
M-DINITROBENZENE	<330 ppb	<330 ppb
2,4-DINITROTOLUENE	<330 ppb	<330 ppb
2,6-DINITROTOLUENE	<330 ppb	<330 ppb
DI-N-OCTYL PHTHALATE	<330 ppb	<330 ppb
DIPHENYLAMINE	<330 ppb	<330 ppb
DISULFOTON	<330 ppb	<330 ppb
ETHYL METHANESULFONATE	<330 ppb	<330 ppb
FAMPHUR	<330 ppb	<330 ppb
FLUORANTHENE	<330 ppb	<330 ppb
FLUORENE	<330 ppb	<330 ppb
HEXACHLORO BENZENE	<330 ppb	<330 ppb
HEXACHLOROBUTADIENE	<330 ppb	<330 ppb
HEXACHLOROCYCLOPENTADIENE	<330 ppb	<330 ppb
HEXACHLOROETHANE	<330 ppb	<330 ppb
HEXACHLOROPROPENE	<330 ppb	<330 ppb
INDENO(1,2,3-CD)PYRENE	<330 ppb	<330 ppb
ISODRIN	<330 ppb	<330 ppb
ISOPHORONE	<330 ppb	<330 ppb
ISOSAFROLE	<330 ppb	<330 ppb
KEPONE	<330 ppb	<330 ppb
METHAPYRILENE	<330 ppb	<330 ppb
3-METHYLCHOLANTHRENE	<330 ppb	<330 ppb
METHYL METHANESULFONATE	<330 ppb	<330 ppb
2-METHYLNAPHTHALENE	<330 ppb	<330 ppb
NAPHTHALENE	<330 ppb	<330 ppb
1,4-NAPHTHOQUINONE	<330 ppb	<330 ppb
1-NAPHTHYLAMINE	<330 ppb	<330 ppb
2-NAPHTHYLAMINE	<330 ppb	<330 ppb
O-NITROANILINE	<330 ppb	<330 ppb
M-NITROANILINE	<330 ppb	<330 ppb
P-NITROANILINE	<330 ppb	<330 ppb
NITROBENZENE	<330 ppb	<330 ppb



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FI 187156 87294  
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TN 02931

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PO BOX 61660  
CHARLESTON, SC 29419-1660  
Contact: MR. MIKE McCLUNG

Date: 06/12/91

cc/fc: GXTM/GXTMQ

Project Manager: Edie M. Kent

Page No.: 6

Sample ID	:	BELUE FARM	BELUE FARM
		(b) (6)	(b) (6)
		SITE	SITE
Lab ID	:	91042626	91042628
Date Received	:	04/30/91	04/30/91

4-NITROQUINOLINE 1-OXIDE	<330 ppb	<330 ppb
N-NITROSODI-N-BUTYLAMINE	<330 ppb	<330 ppb
N-NITROSODIETHYLAMINE	<330 ppb	<330 ppb
N-NITROSODIMETHYLAMINE	<330 ppb	<330 ppb
N-NITROSODIPHENYLAMINE	<330 ppb	<330 ppb
N-NITROSODIPROPYLAMINE	<330 ppb	<330 ppb
N-NITROSOMETHYLETHYLAMINE	<330 ppb	<330 ppb
N-NITROSOMORPHOLINE	<330 ppb	<330 ppb
N-NITROPIPERIDINE	<330 ppb	<330 ppb
N-NITROPYRROLIDINE	<330 ppb	<330 ppb
5-NITRO-O-TOLUIDINE	<330 ppb	<330 ppb
PC DIBENZO-P-DIOXINS	Not Det'd	Not Det'd
PENTACHLOROENZENE	<330 ppb	<330 ppb
PENTACHLOROETHANE	<330 ppb	<330 ppb
PENTACHLORONITROBENZENE	<330 ppb	<330 ppb
PHENACETIN	<330 ppb	<330 ppb
PHENANTHRENE	<330 ppb	<330 ppb
P-PHENYLENEDIAMINE	<330 ppb	<330 ppb
2-PICOLINE	<330 ppb	<330 ppb
PRONAMIDE	<330 ppb	<330 ppb
PYRENE	<330 ppb	<330 ppb
PYRIDINE	<330 ppb	<330 ppb
SAFROLE	<330 ppb	<330 ppb
1,4-DIOXANE	<330 ppb	<330 ppb
ETHYL METHACRYLATE	<330 ppb	<330 ppb
METHYL METHACRYLATE	<330 ppb	<330 ppb
1,2,4,5-TETRACHLOROENZENE	<330 ppb	<330 ppb
1,2,4-TRICHLOROENZENE	<330 ppb	<330 ppb
O-TOLUIDINE	<330 ppb	<330 ppb
O,O,O-TRIETHYLPHOSPHOROTHIOATE	<330 ppb	<330 ppb
SYM-TRINITROBENZENE	<330 ppb	<330 ppb
SULFOTEP	<330 ppb	<330 ppb
MALATHION	<990 ppb	<330 ppb



# GENERAL ENGINEERING LABORATORIES

Environmental Engineering and Analytical Services

Molly F. Greene  
President

George C. Greene, P.E., Ph.D.  
Vice President  
SC Registration No. 9103

Laboratory Certifications:  
FL E87156/87294  
NC 235  
SC 10120  
VA 00151  
TN 02934

## CERTIFICATE OF ANALYSIS

Client: LAIDLAW ENV. SVCS.-TANK MGMT. DIV.  
PO BOX 61660  
CHARLESTON, SC 29419-1660  
Contact: MR. MIKE McCLUNG

Date: 06/12/91

cc/fc: GXTM/GXTMQ

Project Manager: Edie M. Kent

Page No.: 7

Sample ID	:	BELUE FARM	BELUE FARM
		(b) (6)	(b) (6)
		SITE	SITE
Lab ID	:	91042626	91042628
Date Received	:	04/30/91	04/30/91

SAMPLE PREP - B/N COMPOUNDS	YES	YES
APPENDIX IX - ACID COMPOUNDS		
2-CHLOROPHENOL	<330 ppb	<330 ppb
P-CHLORO-M-CRESOL	<330 ppb	<330 ppb
O-CRESOL	<330 ppb	<330 ppb
M-CRESOL	<330 ppb	<330 ppb
P-CRESOL	<330 ppb	<330 ppb
2,4-DICHLOROPHENOL	<330 ppb	<330 ppb
2,6-DICHLOROPHENOL	<330 ppb	<330 ppb
2,4-DIMETHYLPHENOL	<330 ppb	<330 ppb
4,6-DINITRO-O-CRESOL	<330 ppb	<330 ppb
2,4-DINITROPHENOL	<1490 ppb	<1500 ppb
2-SEC-BUTYL-4,6-DINITROPHENOL	<330 ppb	<330 ppb
HEXACHLOROPHENE	<330 ppb	<330 ppb
O-NITROPHENOL	<330 ppb	<330 ppb
P-NITROPHENOL	<330 ppb	<330 ppb
PENTACHLOROPHENOL	<330 ppb	<330 ppb
PHENOL	<330 ppb	<330 ppb
2,3,4,6-TETRACHLOROPHENOL	<330 ppb	<330 ppb
2,4,5-TRICHLOROPHENOL	<330 ppb	<330 ppb
2,4,6-TRICHLOROPHENOL	<330 ppb	<330 ppb
SAMPLE PREP - ACID COMPOUNDS	YES	YES
APP. IX - Pesticide/Herbicide		
ALDRIN	<0.5 ppb	<0.5 ppb
ALPHA-BHC	<0.5 ppb	<0.5 ppb
BETA-BHC	<0.5 ppb	<0.5 ppb
DELTA-BHC	<0.5 ppb	<0.5 ppb
GAMMA-BHC	<0.5 ppb	<0.5 ppb
CHLORDANE	<0.5 ppb	<0.5 ppb
2,4-D	<0.5 ppb	<0.5 ppb
4,4'-DDD	<0.5 ppb	<0.5 ppb
4,4'-DDE	<0.5 ppb	<0.5 ppb
4,4'-DDT	<0.5 ppb	<0.5 ppb



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NC 233  
SC 10120  
VA 00151  
TN 02934

## CERTIFICATE OF ANALYSIS

Client: LAIDLAW ENV. SVCS.-TANK MGMT. DIV.  
PO BOX 61660  
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Contact: MR. MIKE McCLUNG

Date: 06/12/91

cc/fc: GXTM/GXTMQ

Project Manager: Edie M. Kent

Page No.: 8

Sample ID :	BELUE FARM	BELUE FARM
	(b) (6)	(b) (6)
	SITE	SITE
Lab ID :	91042626	91042628
Date Received :	04/30/91	04/30/91

DIELDRIN	<0.5 ppb	<0.5 ppb
ENDOSULFAN I	<0.5 ppb	<0.5 ppb
ENDOSULFAN II	<0.5 ppb	<0.5 ppb
ENDOSULFAN SULFATE	<0.5 ppb	<0.5 ppb
ENDRIN	<0.5 ppb	<0.5 ppb
ENDRIN ALDEHYDE	<0.5 ppb	<0.5 ppb
HEPTACHLOR	<0.5 ppb	<0.5 ppb
HEPTACHLOR EPOXIDE	<0.5 ppb	<0.5 ppb
METHOXYCHLOR	<3.5 ppb	<3.5 ppb
METHYL PARATHION	<0.5 ppb	<0.5 ppb
PARATHION	<0.5 ppb	<0.5 ppb
PCB 1016	<0.5 ppb	<0.5 ppb
PCB 1221	<0.5 ppb	<0.5 ppb
PCB 1232	<0.5 ppb	<0.5 ppb
PCB 1242	<0.5 ppb	<0.5 ppb
PCB 1248	<0.5 ppb	<0.5 ppb
PCB 1254	<0.5 ppb	<0.5 ppb
PCB 1260	<0.5 ppb	<0.5 ppb
PCB 1262	<0.5 ppb	<0.5 ppb
PHORATE	<0.5 ppb	<0.5 ppb
SILVEX	<0.5 ppb	<0.5 ppb
2,4,5-T	<0.5 ppb	<0.5 ppb
TOXAPHENE	<5.0 ppb	<5.0 ppb
SAMPLE PREP - PESTICIDES	YES	YES
SAMPLE PREP - HERBICIDES	YES	YES
EVAPORATIVE LOSS @ 105 C	33 WT%	24wt%

Revised report.



SITE NAME: Belue Farm Site  
EPA ID NUMBER: SCD 987 581 683

Ref. 12

RECORD OF COMMUNICATION

☐ Phone Call  
☒ Discussion  
☐ Field Trip  
☐ Conference  
☐ Other (Specify)

TO: Belue Farm Site File

FROM: Beth Suydam  
Site Screening Section

DATE: August 11, 1992

TIME: 2:00 PM

---

SUBJECT: Gil Trentanove, Site Engineering Section, Bureau of Solid and Hazardous waste Management. Conversation about LES sampling.

---

SUMMARY OF COMMUNICATION:

Gil said that of the two sites sampled only the (b) (6) property had a drinking water well, and that the liquid sample results from the (b) (6) site were from that well, not from the old abandoned well.

---

CONCLUSIONS, ACTIONS TAKEN OR REQUIRED:

---

INFORMATION COPIES TO:

File

Ref. 13

June 18, 1999

MEMORANDUM

TO: Gil Trentanove  
Site Engineering Section  
Bureau of Solid and Hazardous Waste  
Management

FROM: Harold Seabrook, Manager *Harold Seabrook*  
Waste Assessment Section  
Bureau of Solid and Hazardous Waste  
Management

RE: Belue Property (I)(b)(6) Site, Christopher  
Road Site, Campbello, South Carolina)

The attached analytical results have been reviewed. Based on the review, these results are non-hazardous waste. Therefore, the waste can be discarded via sanitary landfill.



RECEIVED

SEP 10 1992

S. C. Dept. of Health and Environmental  
Control - Bureau of Solid & Hazardous

Waste Management

Ref. 14

MEMORANDUM

TO: Beth Suydam  
Site Screening Section  
Division of Site Engineering and Screening  
Bureau of Solid and Hazardous Waste Management

FROM: Marion Feagin, Hydrologist MF  
Superfund and Solid Waste Section  
Division of Hydrogeology  
Bureau of Solid and Hazardous Waste Management

DATE: September 9, 1992

RE: Belue Farm Sites  
SCD 987 581 683  
Spartanburg County  
Preliminary Assessment - Hydrogeologic Review

A hydrogeologic review of the referenced site has been conducted to assist in completing a preliminary assessment for the Superfund program. The purpose of the hydrogeologic review is to provide information regarding the groundwater migration route of potential contaminants. It includes information obtained from South Carolina Water Resources Commission (SCWRC) well tabulations, available site specific information from the South Carolina Department of Health and Environmental Control (SCDHEC) files, a target survey using United States Geological Survey (USGS) topographic quadrangles, and a literature review.

Belue Farm Sites, SCD 987 581 683, consists of two separate site locations, which will be referred to in this hydrogeologic review as the northern portion and the southern portion, based on their topographical locations (see attached maps). According to Bloxham et. al. (1970), the following geologic units underlie the northern and southern portions of the site:

<u>Name</u>	<u>Description</u>	<u>Estimated Hydraulic Conductivity</u>	<u>Depth of Occurrence</u>
Saprolite	A heterogeneous mixture of sand, silt, and clay	$10^{-4}$ cm/sec	0 - ~40 ft.

<u>Name</u>	<u>Description</u>	<u>Estimated Hydraulic Conductivity</u>	<u>Depth of Occurrence</u>
Bedrock	Crystalline igneous and metamorphic rock	$10^{-2}$ to $10^{-8}$ cm/sec	Below saprolite

The potential aquifer of concern includes the interconnected saprolite and bedrock. There is no laterally extensive deposit of low hydraulic conductivity within the four-mile radius of either portion of the site that likely restricts the vertical migration of groundwater to the aquifer of concern. The referenced site is not in an area of karst topography.

A well inventory within the four-mile radius of the northern portion of the site indicates the following uses of groundwater from the aquifer of concern: livestock, domestic, and public water supply. A well inventory within the four-mile radius of the southern portion of the site indicates the following uses of the aquifer of concern: livestock, domestic, and public water supply.

The 1968 Soil Survey of Spartanburg County classifies soils on the northern and southern portion of the site as Cecil sandy loam containing 20 to 80 percent clay. Based on topographic relief and the elevations of local discharge features (streams and ponds), the depth to groundwater is estimated to be between 40 and 60 feet in the northern portion and between 30 and 50 feet in the southern portion. The predominant shallow groundwater flow direction beneath the northern portion appears to be to the north towards a tributary of the North Pacolet River. In the southern portion, the predominant shallow groundwater flow direction appears to be to the southeast towards a tributary of Obed Creek. The groundwater flow direction in the bedrock is unknown beneath both portions of the site.

cc: Brad Keith, App. III District

References Cited:

Bloxham et. al., 1970, Water Resources of Spartanburg County,  
South Carolina, SCWRC Report #3.

PACOLET

29718T



S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (SOUTH PORTION), 350845.8 LATITUDE 820502.8 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY:	Spartanburg Schools	COUNTY:		AQUIFER:		SCWRC:	42C--z01
CONTACT:	PHONE:	LONGITUDE:	81-57-95	COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LATITUDE:	35-02-95	DRILL DEPTH:	192	YIELD:	26
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:	Off Hwy. 56			LOCATION:	Carlisle Sch. Hwy 56		

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	42C--z02
CONTACT:	PHONE:	LONGITUDE:	81-57-95	COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LATITUDE:	35-02-95	DRILL DEPTH:	220	YIELD:	11
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:				LOCATION:	Valley Falls		

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	42C--z03
CONTACT:	PHONE:	LONGITUDE:	81-57-95	COMP. DEPTH:	-1	USE:	DO
ADDRESS:		LATITUDE:	35-02-95	DRILL DEPTH:	50	YIELD:	-1
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:				LOCATION:	N of Spartanburg		

COMPANY:	(b) (6) #4 Lot 37	COUNTY:		AQUIFER:		SCWRC:	43B--m01
CONTACT:	PHONE:	LONGITUDE:	82-02-14	COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LATITUDE:	35-07-11	DRILL DEPTH:	185	YIELD:	110
		DISTANCE:	3.22 MILES ESE	ELEV:	853.00		
REMARKS:	DHEC WS #542022			LOCATION:	New Prospect		

COMPANY:	Coggins SD #1, 2, 3	COUNTY:		AQUIFER:		SCWRC:	43B--m02
CONTACT:	PHONE:	LONGITUDE:	82-02-36	COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LATITUDE:	35-07-15	DRILL DEPTH:	405	YIELD:	32
		DISTANCE:	2.90 MILES ESE	ELEV:	866.00		
REMARKS:	DHEC WS #542003			LOCATION:	New Prospect		

COMPANY:	New Prospect Elem Sc	COUNTY:		AQUIFER:		SCWRC:	43B--m03
CONTACT:	PHONE:	LONGITUDE:	82-02-49	COMP. DEPTH:	-1	USE:	IS

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (SOUTH PORTION), 350845.8 LATITUDE 820502.8 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

ADDRESS:		LATITUDE:	35-07-40	DRILL DEPTH:	-1	YIELD:	-1
		DISTANCE:	2.46 MILES ESE	ELEV:	-1.00		
REMARKS:	DHEC WS #742101			LOCATION:	New Prospect		
COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	43B--o01
CONTACT:		PHONE:		COMP. DEPTH:	-1	USE:	DO
ADDRESS:		LONGITUDE:	82-04-91	DRILL DEPTH:	180	YIELD:	20
		LATITUDE:	35-07-91	ELEV:	-1.00		
REMARKS:		DISTANCE:	0.00 MILES UNK	LOCATION:	W of New Prospect		
COMPANY:	Newell Point SD	COUNTY:		AQUIFER:		SCWRC:	43B--q01
CONTACT:		PHONE:		COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LONGITUDE:	82-03-48	DRILL DEPTH:	330	YIELD:	57
		LATITUDE:	35-06-40	ELEV:	866.00		
REMARKS:		DISTANCE:	2.68 MILES SSE	LOCATION:	Lake Bowen		
COMPANY:	Clark Estates I	COUNTY:		AQUIFER:		SCWRC:	43B--r01
CONTACT:		PHONE:		COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LONGITUDE:	82-02-28	DRILL DEPTH:	310	YIELD:	62
		LATITUDE:	35-06-29	ELEV:	865.00		
REMARKS:	DHEC WS #542010	DISTANCE:	3.58 MILES SSE	LOCATION:	Lake Bowen		
COMPANY:	Clark Estates II	COUNTY:		AQUIFER:		SCWRC:	43B--r02
CONTACT:		PHONE:		COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LONGITUDE:	82-02-27	DRILL DEPTH:	630	YIELD:	20
		LATITUDE:	35-06-13	ELEV:	836.00		
REMARKS:	DHEC WS #542014	DISTANCE:	3.82 MILES SSE	LOCATION:	Lake Bowen		
COMPANY:	Clark Estates II	COUNTY:		AQUIFER:		SCWRC:	43B--r03
CONTACT:		PHONE:		COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LONGITUDE:	82-02-30	DRILL DEPTH:	310	YIELD:	50
		LATITUDE:	35-06-13	ELEV:	856.00		
REMARKS:		DISTANCE:	3.79 MILES SSE				



S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (SOUTH PORTION), 350845.8 LATITUDE 820502.8 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

REMARKS:	DHEC WS #542014	LOCATION:	Lake Bowen
COMPANY:	Clark Estates II	COUNTY:	AQUIFER:
CONTACT:	PHONE:	LONGITUDE:	COMP. DEPTH:
ADDRESS:		LATITUDE:	DRILL DEPTH:
		DISTANCE:	ELEV:
MARKS:	DHEC WS #542014	LOCATION:	Lake Bowen
COMPANY:	Sptbg. Water Works	COUNTY:	AQUIFER:
CONTACT:	PHONE:	LONGITUDE:	COMP. DEPTH:
ADDRESS:		LATITUDE:	DRILL DEPTH:
		DISTANCE:	ELEV:
REMARKS:	DHEC WS #742675	LOCATION:	Lake Bowen
COMPANY:	(b) (6)	COUNTY:	AQUIFER:
CONTACT:	PHONE:	LONGITUDE:	COMP. DEPTH:
ADDRESS:		LATITUDE:	DRILL DEPTH:
		DISTANCE:	ELEV:
REMARKS:	Dp^cm (bgn+mg)	LOCATION:	Boiling Springs
COMPANY:	(b) (6)	COUNTY:	AQUIFER:
CONTACT:	PHONE:	LONGITUDE:	COMP. DEPTH:
ADDRESS:		LATITUDE:	DRILL DEPTH:
		DISTANCE:	ELEV:
REMARKS:	Mp^cs (bsc)	LOCATION:	Inman
COMPANY:	(b) (6)	COUNTY:	AQUIFER:
CONTACT:	PHONE:	LONGITUDE:	COMP. DEPTH:
ADDRESS:		LATITUDE:	DRILL DEPTH:
		DISTANCE:	ELEV:
REMARKS:		LOCATION:	Lake Bowen

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (SOUTH PORTION), 350845.8 LATITUDE 820502.8 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
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COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	43B--z02
CONTACT:		PHONE:		LONGITUDE:	82-02-95	COMP. DEPTH:	-1 USE: DO
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	305 YIELD: 45
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:					LOCATION:	Lake Bowen	

COMPANY:	Fraleley Realty	COUNTY:		AQUIFER:		SCWRC:	43B--z03
CONTACT:		PHONE:		LONGITUDE:	82-02-95	COMP. DEPTH:	-1 USE: DO
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	165 YIELD: 15
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:					LOCATION:	Lake Bowen	

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	43B--z04
CONTACT:		PHONE:		LONGITUDE:	82-02-95	COMP. DEPTH:	-1 USE: DO
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	265 YIELD: 45
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:					LOCATION:	Lake Bowen	

COMPANY:	(b) (6)	COUNTY:		AQUIFER:	MpC^s	SCWRC:	43B--z05
CONTACT:		PHONE:		LONGITUDE:	82-02-95	COMP. DEPTH:	-1 USE: DO
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	175 YIELD: 5
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:	Mp^cs (bsc)				LOCATION:	Inman (near I-26)	

COMPANY:	(b) (6)	COUNTY:		AQUIFER:	MpC^s	SCWRC:	43B--z06
CONTACT:		PHONE:		LONGITUDE:	82-02-95	COMP. DEPTH:	-1 USE: DO
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	105 YIELD: 5
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:	Mp^cs (bsc)				LOCATION:	Lake Bowen	

COMPANY:	HI-Van SD	COUNTY:		AQUIFER:		SCWRC:	43B--z07
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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
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CONTACT:	PHONE:	LONGITUDE:	82-02-95	COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LATITUDE:	35-07-95	DRILL DEPTH:	-1	YIELD:	-1
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:	DHEC WS #542019			LOCATION:	Lake Bowen		
COMPANY:	United Utilities	COUNTY:		AQUIFER:		SCWRC:	43C--z01
CONTACT:	PHONE:	LONGITUDE:	82-02-95	COMP. DEPTH:	-1	USE:	ST
ADDRESS:		LATITUDE:	35-02-95	DRILL DEPTH:	300	YIELD:	100
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:				LOCATION:	Inman		
COMPANY:	Fairview Farms	COUNTY:		AQUIFER:	MpC's	SCWRC:	44A--p01
CONTACT:	PHONE:	LONGITUDE:	82-09-91	COMP. DEPTH:	-1	USE:	LS
ADDRESS:		LATITUDE:	35-11-91	DRILL DEPTH:	250	YIELD:	25
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:	Mp^cs (bsc)			LOCATION:	Landrum		
COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44A--uz1
CONTACT:	PHONE:	LONGITUDE:	82-05-91	COMP. DEPTH:	-1	USE:	DO
ADDRESS:		LATITUDE:	35-12-95	DRILL DEPTH:	570	YIELD:	-1
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:				LOCATION:	NE of Campobello		
COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44A--z01
CONTACT:	PHONE:	LONGITUDE:	82-07-95	COMP. DEPTH:	-1	USE:	CO
ADDRESS:		LATITUDE:	35-12-95	DRILL DEPTH:	520	YIELD:	6
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:	Off Hwy S-42-128			LOCATION:	Brannon Restaurant		
COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44A--z02
CONTACT:	PHONE:	LONGITUDE:	82-07-95	COMP. DEPTH:	-1	USE:	CO
ADDRESS:		LATITUDE:	35-12-95	DRILL DEPTH:	410	YIELD:	12

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (SOUTH PORTION), 350845.8 LATITUDE 820502.8 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

REMARKS:	Off Hwy. S-42-128	DISTANCE:	0.00 MILES UNK	ELEV:	-1.00	LOCATION:	Brannon Restaurant
COMPANY:	(b) (6)	COUNTY:		AQUIFER:	MpC <sup>^</sup> s	SCWRC:	44B--e01
CONTACT:	PHONE:	LONGITUDE:	82-09-91	COMP. DEPTH:	-1	USE:	DO
ADDRESS:		LATITUDE:	35-09-91	DRILL DEPTH:	300	YIELD:	3
REMARKS:	Mp <sup>^</sup> cs (bsc)	DISTANCE:	0.00 MILES UNK	ELEV:	-1.00	LOCATION:	Landrum
COMPANY:	Jackson Church	COUNTY:		AQUIFER:		SCWRC:	44B--i01
CONTACT:	PHONE:	LONGITUDE:	82-06-91	COMP. DEPTH:	-1	USE:	IS
ADDRESS:		LATITUDE:	35-08-91	DRILL DEPTH:	700	YIELD:	-1
REMARKS:	blasted w/ explos.	DISTANCE:	0.00 MILES UNK	ELEV:	-1.00	LOCATION:	L. Bowen (I-26 & 11)
COMPANY:	Chevron Service Sta.	COUNTY:		AQUIFER:		SCWRC:	44B--i02
CONTACT:	PHONE:	LONGITUDE:	82-06-91	COMP. DEPTH:	-1	USE:	CO
ADDRESS:		LATITUDE:	35-08-91	DRILL DEPTH:	400	YIELD:	-1
REMARKS:		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00	LOCATION:	L. Bowen (I-26 & 11)
COMPANY:	Chevron Service Sta.	COUNTY:		AQUIFER:		SCWRC:	44B--i03
CONTACT:	PHONE:	LONGITUDE:	82-06-91	COMP. DEPTH:	-1	USE:	CO
ADDRESS:		LATITUDE:	35-08-91	DRILL DEPTH:	400	YIELD:	-1
REMARKS:		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00	LOCATION:	L. Bowen (I-26 & 11)
COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44B--iz1
CONTACT:	PHONE:	LONGITUDE:	82-06-91	COMP. DEPTH:	-1	USE:	DO
ADDRESS:		LATITUDE:	35-08-91	DRILL DEPTH:	900	YIELD:	2
REMARKS:		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00	LOCATION:	SE of Landrum

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (SOUTH PORTION), 350845.8 LATITUDE 820502.8 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY:	(b) (6)	COUNTY:	AQUIFER:	SCWRC:	44B--iz2
CONTACT:	PHONE:	LONGITUDE: 82-06-91	COMP. DEPTH: -1	USE:	DO
ADDRESS:		LATITUDE: 35-08-91	DRILL DEPTH: 305	YIELD:	10
		DISTANCE: 0.00 MILES UNK	ELEV: -1.00		
REMARKS:			LOCATION: SE of Landrum		

COMPANY:	(b) (6)	COUNTY:	AQUIFER: Mp <sup>c</sup> s	SCWRC:	44B--n01
CONTACT:	PHONE:	LONGITUDE: 82-08-91	COMP. DEPTH: -1	USE:	DO
ADDRESS:		LATITUDE: 35-07-91	DRILL DEPTH: 265	YIELD:	50
		DISTANCE: 0.00 MILES UNK	ELEV: -1.00		
REMARKS:	Mp <sup>c</sup> s (bsc)		LOCATION: Campobello		

COMPANY:	(b) (6)	COUNTY:	AQUIFER:	SCWRC:	44B--t01
CONTACT:	PHONE:	LONGITUDE: 82-05-91	COMP. DEPTH: -1	USE:	
ADDRESS:		LATITUDE: 35-06-91	DRILL DEPTH: 210	YIELD:	-1
		DISTANCE: 0.00 MILES UNK	ELEV: -1.00		
REMARKS:			LOCATION: Lake Bowen		

COMPANY:	(b) (6)	COUNTY:	AQUIFER:	SCWRC:	44B--t02
CONTACT:	PHONE:	LONGITUDE: 82-05-91	COMP. DEPTH: -1	USE:	
ADDRESS:		LATITUDE: 35-06-91	DRILL DEPTH: -1	YIELD:	-1
		DISTANCE: 0.00 MILES UNK	ELEV: -1.00		
REMARKS:			LOCATION: Lake Bowen		

COMPANY:	(b) (6)	COUNTY:	AQUIFER:	SCWRC:	44B--t03
CONTACT:	PHONE:	LONGITUDE: 82-05-91	COMP. DEPTH: -1	USE:	
ADDRESS:		LATITUDE: 35-06-91	DRILL DEPTH: -1	YIELD:	-1
		DISTANCE: 0.00 MILES UNK	ELEV: -1.00		
REMARKS:			LOCATION: Lake Bowen		

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (SOUTH PORTION), 350845.8 LATITUDE 820502.8 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44B--t04
CONTACT:		PHONE:		LONGITUDE:	82-05-91	COMP. DEPTH:	-1 USE:
ADDRESS:				LATITUDE:	35-06-91	DRILL DEPTH:	-1 YIELD:
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:					LOCATION:	Lake Bowen	

COMPANY:	Coates Road SD	COUNTY:		AQUIFER:		SCWRC:	44B--t05
CONTACT:		PHONE:		LONGITUDE:	82-05-50	COMP. DEPTH:	-1 USE:
ADDRESS:				LATITUDE:	35-06-23	DRILL DEPTH:	-1 YIELD:
				DISTANCE:	2.84 MILES SSW	ELEV:	-1.00
REMARKS:	DHEC WS #542007				LOCATION:	Lake Bowen	

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44B--u01
CONTACT:		PHONE:		LONGITUDE:	82-05-57	COMP. DEPTH:	-1 USE:
ADDRESS:				LATITUDE:	35-05-57	DRILL DEPTH:	500 YIELD:
				DISTANCE:	3.34 MILES SSW	ELEV:	935.00
REMARKS:	bgn-bsc				LOCATION:	Lake Bowen	

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44B--u02
CONTACT:		PHONE:		LONGITUDE:	82-05-58	COMP. DEPTH:	-1 USE:
ADDRESS:				LATITUDE:	35-05-49	DRILL DEPTH:	207 YIELD:
				DISTANCE:	3.50 MILES SSW	ELEV:	905.00
REMARKS:	bsc-clsc-fs-qtz				LOCATION:	Lake Bowen	

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44B--u03
CONTACT:		PHONE:		LONGITUDE:	82-05-91	COMP. DEPTH:	-1 USE:
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	500 YIELD:
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:					LOCATION:	Lake Bowen	

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44B--v01
CONTACT:		PHONE:		LONGITUDE:	82-06-06	COMP. DEPTH:	-1 USE:

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (SOUTH PORTION), 350845.8 LATITUDE 820502.8 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

ADDRESS:		LATITUDE: 35-05-59	DRILL DEPTH: 580	YIELD: 3
REMARKS:	gn-sc	DISTANCE: 3.35 MILES SSW	ELEV: 885.00	LOCATION: Lake Bowen
COMPANY:	(b) (6)	COUNTY:	AQUIFER:	SCWRC: 44B--v02
CONTACT:	PHONE:	LONGITUDE: 82-06-01	COMP. DEPTH: -1	USE: DO
DRESS:		LATITUDE: 35-05-52	DRILL DEPTH: -1	YIELD: -1
REMARKS:		DISTANCE: 3.45 MILES SSW	ELEV: 875.00	LOCATION: Lake Bowen
COMPANY:	(b) (6)	COUNTY:	AQUIFER:	SCWRC: 44B?-z01
CONTACT:	PHONE:	LONGITUDE: 82-07-95	COMP. DEPTH: -1	USE: DO
ADDRESS:		LATITUDE: 35-07-30	DRILL DEPTH: 330	YIELD: 200
REMARKS:		DISTANCE: 3.65 MILES WSW	ELEV: -1.00	LOCATION: Campobello?

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (NORTH PORTION), 351003.9 LATITUDE 820500.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY:	Spartanburg Schools	COUNTY:		AQUIFER:		SCWRC:	42C--z01
CONTACT:	PHONE:	LONGITUDE:	81-57-95	COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LATITUDE:	35-02-95	DRILL DEPTH:	192	YIELD:	26
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:	Off Hwy. 56			LOCATION:	Carlisle Sch. Hwy 56		

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	42C--z02
CONTACT:	PHONE:	LONGITUDE:	81-57-95	COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LATITUDE:	35-02-95	DRILL DEPTH:	220	YIELD:	11
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:				LOCATION:	Valley Falls		

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	42C--z03
CONTACT:	PHONE:	LONGITUDE:	81-57-95	COMP. DEPTH:	-1	USE:	DO
ADDRESS:		LATITUDE:	35-02-95	DRILL DEPTH:	50	YIELD:	-1
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:				LOCATION:	N of Spartanburg		

COMPANY:	Coggins SD #4 Lot 37	COUNTY:		AQUIFER:		SCWRC:	43B--m01
CONTACT:	PHONE:	LONGITUDE:	82-02-14	COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LATITUDE:	35-07-11	DRILL DEPTH:	185	YIELD:	110
		DISTANCE:	4.22 MILES SSE	ELEV:	853.00		
REMARKS:	DHEC WS #542022			LOCATION:	New Prospect		

COMPANY:	Coggins SD #1, 2, 3	COUNTY:		AQUIFER:		SCWRC:	43B--m02
CONTACT:	PHONE:	LONGITUDE:	82-02-36	COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LATITUDE:	35-07-15	DRILL DEPTH:	405	YIELD:	32
		DISTANCE:	3.95 MILES SSE	ELEV:	866.00		
REMARKS:	DHEC WS #542003			LOCATION:	New Prospect		

COMPANY:	New Prospect Elem Sc	COUNTY:		AQUIFER:		SCWRC:	43B--m03
CONTACT:	PHONE:	LONGITUDE:	82-02-49	COMP. DEPTH:	-1	USE:	IS



S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (NORTH PORTION), 351003.9 LATITUDE 820500.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

ADDRESS:		LATITUDE:	35-07-40	DRILL DEPTH:	-1	YIELD:	-1
		DISTANCE:	3.45 MILES SSE	ELEV:	-1.00		
REMARKS:	DHEC WS #742101			LOCATION:	New Prospect		
COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	43B--o01
CONTACT:		PHONE:		COMP. DEPTH:	-1	USE:	DO
ADDRESS:		LONGITUDE:	82-04-91	DRILL DEPTH:	180	YIELD:	20
		LATITUDE:	35-07-91	ELEV:	-1.00		
REMARKS:		DISTANCE:	0.00 MILES UNK	LOCATION:	W of New Prospect		
COMPANY:	Newell Point SD	COUNTY:		AQUIFER:		SCWRC:	43B--q01
CONTACT:		PHONE:		COMP. DEPTH:	-1	USE:	WS
ADDRESS:		LONGITUDE:	82-03-48	DRILL DEPTH:	330	YIELD:	57
		LATITUDE:	35-06-40	ELEV:	866.00		
REMARKS:		DISTANCE:	4.07 MILES SSE	LOCATION:	Lake Bowen		
COMPANY:	(b) (6)	COUNTY:		AQUIFER:	DpC^m	SCWRC:	43B--u01
CONTACT:		PHONE:		COMP. DEPTH:	-1	USE:	DO
ADDRESS:		LONGITUDE:	82-00-91	DRILL DEPTH:	54	YIELD:	-1
		LATITUDE:	35-07-95	ELEV:	-1.00		
REMARKS:	Dp^cm (bgn+mg)	DISTANCE:	0.00 MILES UNK	LOCATION:	Boiling Springs		
COMPANY:	(b) (6)	COUNTY:		AQUIFER:	MpC^s	SCWRC:	43B--x01
CONTACT:		PHONE:		COMP. DEPTH:	-1	USE:	DO
ADDRESS:		LONGITUDE:	82-03-91	DRILL DEPTH:	325	YIELD:	1
		LATITUDE:	35-05-91	ELEV:	-1.00		
REMARKS:	Mp^cs (bsc)	DISTANCE:	0.00 MILES UNK	LOCATION:	Inman		
COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	43B--z01
CONTACT:		PHONE:		COMP. DEPTH:	-1	USE:	DO
ADDRESS:		LONGITUDE:	82-02-95	DRILL DEPTH:	285	YIELD:	93
		LATITUDE:	35-07-95	ELEV:	-1.00		
REMARKS:		DISTANCE:	0.00 MILES UNK				

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (NORTH PORTION), 351003.9 LATITUDE 820500.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

REMARKS:

LOCATION: Lake Bowen

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	43B--z02
CONTACT:		PHONE:		LONGITUDE:	82-02-95	COMP. DEPTH:	-1 USE: DO
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	305 YIELD: 45
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
MARKS:				LOCATION:	Lake Bowen		

COMPANY:	Fraley Realty	COUNTY:		AQUIFER:		SCWRC:	43B--z03
CONTACT:		PHONE:		LONGITUDE:	82-02-95	COMP. DEPTH:	-1 USE: DO
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	165 YIELD: 15
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:				LOCATION:	Lake Bowen		

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	43B--z04
CONTACT:		PHONE:		LONGITUDE:	82-02-95	COMP. DEPTH:	-1 USE: DO
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	265 YIELD: 45
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:				LOCATION:	Lake Bowen		

COMPANY:	(b) (6)	COUNTY:		AQUIFER:	MpC^s	SCWRC:	43B--z05
CONTACT:		PHONE:		LONGITUDE:	82-02-95	COMP. DEPTH:	-1 USE: DO
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	175 YIELD: 5
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:	Mp^cs (bsc)			LOCATION:	Inman (near I-26)		

COMPANY:	(b) (6)	COUNTY:		AQUIFER:	MpC^s	SCWRC:	43B--z06
CONTACT:		PHONE:		LONGITUDE:	82-02-95	COMP. DEPTH:	-1 USE: DO
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	105 YIELD: 5
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:	Mp^cs (bsc)			LOCATION:	Lake Bowen		

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (NORTH PORTION), 351003.9 LATITUDE 820500.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY:	HI-Van SD	COUNTY:		AQUIFER:		SCWRC:	43B--z07
CONTACT:		PHONE:		LONGITUDE:	82-02-95	COMP. DEPTH:	-1 USE: WS
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	-1 YIELD: -1
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:	DHEC WS #542019			LOCATION:	Lake Bowen		

COMPANY:	United Utilities	COUNTY:		AQUIFER:		SCWRC:	43C--z01
CONTACT:		PHONE:		LONGITUDE:	82-02-95	COMP. DEPTH:	-1 USE: ST
ADDRESS:				LATITUDE:	35-02-95	DRILL DEPTH:	300 YIELD: 100
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:				LOCATION:	Inman		

COMPANY:	Fairview Farms	COUNTY:		AQUIFER:	Mp <sup>cs</sup>	SCWRC:	44A--p01
CONTACT:		PHONE:		LONGITUDE:	82-09-91	COMP. DEPTH:	-1 USE: LS
ADDRESS:				LATITUDE:	35-11-91	DRILL DEPTH:	250 YIELD: 25
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:	Mp <sup>cs</sup> (bsc)			LOCATION:	Landrum		

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44A--uz1
CONTACT:		PHONE:		LONGITUDE:	82-05-91	COMP. DEPTH:	-1 USE: DO
ADDRESS:				LATITUDE:	35-12-95	DRILL DEPTH:	570 YIELD: -1
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:				LOCATION:	NE of Campobello		

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44A--z01
CONTACT:		PHONE:		LONGITUDE:	82-07-95	COMP. DEPTH:	-1 USE: CO
ADDRESS:				LATITUDE:	35-12-95	DRILL DEPTH:	520 YIELD: 6
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00
REMARKS:	Off Hwy S-42-128			LOCATION:	Brannon Restaurant		

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44A--z02
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S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (NORTH PORTION), 351003.9 LATITUDE 820500.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

CONTACT:	PHONE:	LONGITUDE:	82-07-95	COMP. DEPTH:	-1	USE:	CO
ADDRESS:		LATITUDE:	35-12-95	DRILL DEPTH:	410	YIELD:	12
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:	Off Hwy. S-42-128			LOCATION:	Brannon Restaurant		
COMPANY:	(b) (6)	COUNTY:		AQUIFER:	Mp <sup>cs</sup>	SCWRC:	44B--e01
CONTACT:	PHONE:	LONGITUDE:	82-09-91	COMP. DEPTH:	-1	USE:	DO
ADDRESS:		LATITUDE:	35-09-91	DRILL DEPTH:	300	YIELD:	3
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:	Mp <sup>cs</sup> (bsc)			LOCATION:	Landrum		
COMPANY:	Jackson Church	COUNTY:		AQUIFER:		SCWRC:	44B--i01
CONTACT:	PHONE:	LONGITUDE:	82-06-91	COMP. DEPTH:	-1	USE:	IS
ADDRESS:		LATITUDE:	35-08-91	DRILL DEPTH:	700	YIELD:	-1
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:	blasted w/ explos.			LOCATION:	L. Bowen (I-26 & 11)		
COMPANY:	Chevron Service Sta.	COUNTY:		AQUIFER:		SCWRC:	44B--i02
CONTACT:	PHONE:	LONGITUDE:	82-06-91	COMP. DEPTH:	-1	USE:	CO
ADDRESS:		LATITUDE:	35-08-91	DRILL DEPTH:	400	YIELD:	-1
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:				LOCATION:	L. Bowen (I-26 & 11)		
COMPANY:	Chevron Service Sta.	COUNTY:		AQUIFER:		SCWRC:	44B--i03
CONTACT:	PHONE:	LONGITUDE:	82-06-91	COMP. DEPTH:	-1	USE:	CO
ADDRESS:		LATITUDE:	35-08-91	DRILL DEPTH:	400	YIELD:	-1
		DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:				LOCATION:	L. Bowen (I-26 & 11)		
COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44B--iz1
CONTACT:	PHONE:	LONGITUDE:	82-06-91	COMP. DEPTH:	-1	USE:	DO
ADDRESS:		LATITUDE:	35-08-91	DRILL DEPTH:	900	YIELD:	2

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (NORTH PORTION), 351003.9 LATITUDE 820500.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

REMARKS: ,  
DISTANCE: 0.00 MILES UNK ELEV: -1.00  
LOCATION: SE of Landrum

COMPANY: (b) (6) COUNTY: AQUIFER: SCWRC: 44B--iz2  
CONTACT: PHONE: LONGITUDE: 82-06-91 COMP. DEPTH: -1 USE: DO  
ADDRESS: LATITUDE: 35-08-91 DRILL DEPTH: 305 YIELD: 10  
REMARKS: , DISTANCE: 0.00 MILES UNK ELEV: -1.00  
LOCATION: SE of Landrum

COMPANY: (b) (6) COUNTY: AQUIFER: MpC^s SCWRC: 44B--n01  
CONTACT: PHONE: LONGITUDE: 82-08-91 COMP. DEPTH: -1 USE: DO  
ADDRESS: LATITUDE: 35-07-91 DRILL DEPTH: 265 YIELD: 50  
REMARKS: Mp^cs (bsc) , DISTANCE: 0.00 MILES UNK ELEV: -1.00  
LOCATION: Campobello

COMPANY: (b) (6) COUNTY: AQUIFER: SCWRC: 44B--t01  
CONTACT: PHONE: LONGITUDE: 82-05-91 COMP. DEPTH: -1 USE:  
ADDRESS: LATITUDE: 35-06-91 DRILL DEPTH: 210 YIELD: -1  
REMARKS: , DISTANCE: 0.00 MILES UNK ELEV: -1.00  
LOCATION: Lake Bowen

COMPANY: (b) (6) COUNTY: AQUIFER: SCWRC: 44B--t02  
CONTACT: PHONE: LONGITUDE: 82-05-91 COMP. DEPTH: -1 USE:  
ADDRESS: LATITUDE: 35-06-91 DRILL DEPTH: -1 YIELD: -1  
REMARKS: , DISTANCE: 0.00 MILES UNK ELEV: -1.00  
LOCATION: Lake Bowen

COMPANY: (b) (6) COUNTY: AQUIFER: SCWRC: 44B--t03  
CONTACT: PHONE: LONGITUDE: 82-05-91 COMP. DEPTH: -1 USE:  
ADDRESS: LATITUDE: 35-06-91 DRILL DEPTH: -1 YIELD: -1  
REMARKS: , DISTANCE: 0.00 MILES UNK ELEV: -1.00  
LOCATION: Lake Bowen

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE  
SITE BEING EVALUATED BELUE FARM SITE (NORTH PORTION), 351003.9 LATITUDE 820500.0 LONGITUDE  
THE GROUNDWATER SUPPLIES FOUND WITHIN 4 MILES  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44B--t04		
CONTACT:		PHONE:		LONGITUDE:	82-05-91	COMP. DEPTH:	-1	USE:	
ADDRESS:				LATITUDE:	35-06-91	DRILL DEPTH:	-1	YIELD:	-1
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:					LOCATION:	Lake Bowen			

COMPANY:	(b) (6)	COUNTY:		AQUIFER:		SCWRC:	44B--u03		
CONTACT:		PHONE:		LONGITUDE:	82-05-91	COMP. DEPTH:	-1	USE:	DO
ADDRESS:				LATITUDE:	35-07-95	DRILL DEPTH:	500	YIELD:	-1
				DISTANCE:	0.00 MILES UNK	ELEV:	-1.00		
REMARKS:					LOCATION:	Lake Bowen			

Ref. 15

NAME	HOUSING UNITS	VACANT HU	OCCUPIED HU	TOTAL POP	GROUP QUARTERS	NON Q POP	PERSONS PER HOUSEHOLD
SOUTH CAROLINA.....	1,424,155	166,111	1,258,044	3,486,703	116,543	3,370,160	2.68
ABBEVILLE COUNTY.....	9,846	1,066	8,780	23,862	648	23,216	2.64
AIKEN COUNTY.....	49,266	4,383	44,883	120,940	1,690	119,250	2.66
ALLENDALE COUNTY.....	4,242	451	3,791	11,722	1,076	10,646	2.81
ANDERSON COUNTY.....	60,745	5,264	55,481	145,198	1,638	143,558	2.59
BAMBERG COUNTY.....	6,408	821	5,587	16,902	1,011	15,891	2.84
BARNWELL COUNTY.....	7,854	754	7,100	20,293	297	19,996	2.82
BEAUFORT COUNTY.....	45,981	15,269	30,712	86,425	6,791	79,634	2.59
BERKELEY COUNTY.....	45,697	3,311	42,386	128,776	1,120	127,656	3.01
CALHOUN COUNTY.....	5,225	738	4,487	12,753	108	12,645	2.82
CHARLESTON COUNTY.....	123,550	16,481	107,069	295,039	16,119	278,920	2.61
CHEROKEE COUNTY.....	17,610	1,154	16,456	44,506	497	44,009	2.67
CHESTER COUNTY.....	12,293	845	11,448	32,170	118	32,052	2.80
CHESTERFIELD COUNTY.....	15,101	1,054	14,047	38,577	380	38,197	2.72
CLARENDON COUNTY.....	12,101	2,557	9,544	28,450	238	28,212	2.96
COLLETON COUNTY.....	14,926	2,886	12,040	34,377	282	34,095	2.83
DARLINGTON COUNTY.....	23,601	1,602	21,999	61,851	1,054	60,797	2.76
DILLON COUNTY.....	10,590	703	9,887	29,114	295	28,819	2.91
DORCHESTER COUNTY.....	30,632	2,419	28,213	83,060	2,092	80,968	2.87
EDGEFIELD COUNTY.....	7,290	866	6,424	18,375	268	18,107	2.82
FAIRFIELD COUNTY.....	8,730	1,263	7,467	22,295	435	21,860	2.93
FLORENCE COUNTY.....	43,209	2,992	40,217	114,344	2,699	111,645	2.78
GEORGETOWN COUNTY.....	21,134	4,859	16,275	46,302	205	46,097	2.83
GREENVILLE COUNTY.....	131,645	8,767	122,878	320,167	8,216	311,951	2.64
GREENWOOD COUNTY.....	24,735	2,005	22,730	59,567	1,630	57,937	2.55
HAMPTON COUNTY.....	7,058	736	6,322	18,191	66	18,125	2.87
HORRY COUNTY.....	89,960	34,196	55,764	144,053	3,563	140,490	2.52
JASPER COUNTY.....	6,070	772	5,298	15,487	266	15,221	2.87
KERSHAW COUNTY.....	17,479	1,669	15,810	43,599	409	43,190	2.73
LANCASTER COUNTY.....	20,929	1,151	19,778	54,516	399	54,117	2.74
LAURENS COUNTY.....	23,201	2,541	20,660	58,092	2,669	55,423	2.68
LEE COUNTY.....	6,537	483	6,054	18,437	153	18,284	3.02
LEXINGTON COUNTY.....	67,556	5,923	61,633	167,611	1,389	166,222	2.70
MCCORMICK COUNTY.....	3,347	616	2,731	8,868	1,367	7,501	2.75
MARION COUNTY.....	12,777	1,011	11,766	33,899	265	33,634	2.86
MARLBORO COUNTY.....	10,955	792	10,163	29,361	684	28,677	2.82
NEWBERRY COUNTY.....	14,455	2,141	12,314	33,172	766	32,406	2.63
OCONEE COUNTY.....	25,983	3,625	22,358	57,494	444	57,050	2.55
ORANGEBURG COUNTY.....	32,340	3,431	28,909	84,803	3,670	81,133	2.81
PICKENS COUNTY.....	35,865	2,443	33,422	93,894	7,506	86,388	2.58
RICHLAND COUNTY.....	109,564	7,974	101,590	285,720	26,091	259,629	2.56
SALUDA COUNTY.....	6,792	968	5,824	16,357	311	16,046	2.76
SPARTANBURG COUNTY.....	89,927	5,424	84,503	226,800	6,061	220,739	2.61
SUMTER COUNTY.....	35,016	2,293	32,723	102,637	7,574	95,063	2.91
UNION COUNTY.....	12,230	823	11,407	30,337	228	30,109	2.64
WILLIAMSBURG COUNTY.....	13,265	1,157	12,108	36,815	155	36,660	3.03
YORK COUNTY.....	50,438	3,432	47,006	131,497	3,602	127,895	2.72

POP. COUNTS ARE SUBJECT TO POSSIBLE CORRECTION FOR UNDERCOUNT OR OVERCOUNT.  
 U.S. DEPT. OF COMMERCE IS CONSIDERING WHETHER TO CORRECT THESE COUNTS, IF ANY, NO LATER THAN 7/15/91.

Date: 09/18/92

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL  
BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED BFARM, '351003.9 LATITUDE 820500.0 LONGITUDE *Helton Site*  
THE SURFACEWATER SUPPLIES FOUND BETWEEN LATITUDE 35-06-30 TO 35-11-30 AND LONGITUDE 81-55-00 TO 82-05-00  
THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

TREATMENT WORKS NAME OWNERS IDENTIFICATION	STREAM NAME	LONGITUDE LATITUDE	SOURCE ID.	PUMP (GPM) TREATMENT (GPD)
Cooley Farm		81-55-20	IR	0.0
Cooley Pond	Buck Creek	35-10-10		0.000
Painter & Sons Farm		81-55-30	IR	0.0
Painter's Pond	Buck Creek	35-09-27		0.000
Jolley Farm		81-58-40	IR	0.0
Jolley Pond	Buck Creek	35-09-20		0.000
Gilbert Nursery, Inc.		82-00-55	IR	0.0
Gilbert Nursery Pond	North Pacolet River	35-11-20		0.000
Spartanburg Water Works - R.B. Simms Filtration Pl		81-58-04	WS	44444.4
RB Simms Filtration	S. Pacolet River	35-06-47		64.000

*\*Intake is not on downstream pathway*

SOURCE IDENTIFICATION:

AQ - Aquaculture	IR - Irrigator	PT - Thermo-power	CO - Commerical	MI - Mining
ST - Sewage Treatment	GC - Golf Course	PH - Hydro-power	WS - Public Supply	IN - Industry

Ref. 16



Date: 09/18/92

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL

BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED BFARM, 350845.8 LATITUDE 820455.4 LONGITUDE *Wilson Site*

THE SURFACEWATER SUPPLIES FOUND BETWEEN LATITUDE 35-06-30 TO 35-09-30 AND LONGITUDE 81-55-00 TO 82-04-55

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. WATER RESOURCES COMMISSION (02/92).

TREATMENT WORKS NAME OWNERS IDENTIFICATION	STREAM NAME	LONGITUDE LATITUDE	SOURCE ID.	PUMP (GPM) TREATMENT (GPD)
Painter & Sons Farm		81-55-30	IR	0.0
Painter's Pond	Buck Creek	35-09-27		0.000
Jolley Farm		81-58-40	IR	0.0
Jolley Pond	Buck Creek	35-09-20		0.000
Spartanburg Water Works - R.B. Simms Filtration Pl		81-58-04	WS	44444.4
RB Simms Filtration	S. Pacolet River	35-06-47		64.000

*\* Intake is not on downstream pathway*

SOURCE IDENTIFICATION:

AQ - Aquaculture	IR - Irrigator	PT - Thermo-power	CO - Commerical	MI - Mining
ST - Sewage Treatment	GC - Golf Course	PH - Hydro-power	WS - Public Supply	IN - Industry

Date: 09/18/92

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL

BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED BFARM, 351003.9 LATITUDE 820500.0 LONGITUDE

Helton Site

THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 35-06-30 TO 35-11-30 AND LONGITUDE 81-55-00 TO 82-05-00

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME SCIENTIFIC NAME	STATUS	LONGITUDE LATITUDE	DISTANCE FROM SITE	GRANK SRANK	DATE ADDED	TOPO MAP / COUNTY WHERE THE SPECIES IS LOCATED
MOUNTAIN WITCH-ALDER FOTHERGILLA MAJOR	RC	82-07-00 35-09-30	2.00 Miles WSW	G3 S1	06/01/70	FINGERVILLE Spartanburg
<del>DWARF-FLOWERED HEARTLEAF</del> HEXASTYLIS NANIFLORA	<del>FT</del>	<del>82-08-14</del> 35-11-02	<del>3.26 Miles WNW</del>	<del>G2G2</del> S2	<del>04/01/70</del>	<del>LANDRUM</del> Spartanburg
YELLOW HONEYSUCKLE LONICERA FLAVA	SL	82-07-00 35-09-30	2.00 Miles WSW	G5? S2	05/01/70	FINGERVILLE Spartanburg
WHITE GOLDENROD SOLIDAGO BICOLOR	SL	82-08-30 35-10-57	3.46 Miles WNW	G5 S1	10/07/70	LANDRUM Spartanburg
YELLOW HONEYSUCKLE LONICERA FLAVA	SL	82-08-14 35-11-02	3.26 Miles WNW	G5? S2	05/01/70	LANDRUM Spartanburg
BLUE MONKSHOOD ACONITUM UNCINATUM	SL	82-08-14 35-11-02	3.26 Miles WNW	G3G4 S2	10/01/70	LANDRUM Spartanburg

GRANK/SRANK - Nature Conservancy rating:

- G1 - Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction.
- G2 - Imperiled globally because of rarity or factor(s) making it vulnerable.
- G3 - Either very rare throughout its range or found locally in a restricted range, or having factors making it vulnerable.
- G4 - Apparently secure globally, though it may be rare in parts of its range.
- G5 - Demonstrably secure globally, though it may be rare in parts of its range.
- S1 - Critically imperiled state-wide because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation.
- S2 - Imperiled state-wide because of rarity or factor(s) making it vulnerable.
- S3 - Rare or uncommon in state.
- S4 - Apparently secure in state.

STATUS - Legal status:

- FE - Federal Endangered
- FT - Federal Threatened
- NC - Of Concern, National (plants)
- RC - Of Concern, Regional (plants)
- SE - State Endangered (animals)
- ST - State Threatened (animals)
- SC - Of Concern, State (animals)
- SL - Of Concern, State (plants)
- SX - State Extirpated
- CU - Candidate (Federal review)
- UN - Undetermined

Ref. 17

**BUREAU OF SOLID & HAZARDOUS WASTE**

THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 35-06-30 TO 35-11-30 AND LONGITUDE 81-55-00 TO 82-05-00

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME		LONGITUDE	DISTANCE	GRANK	DATE	TOPO MAP /
SCIENTIFIC NAME	STATUS	LATITUDE	FROM SITE	SRANK	ADDED	COUNTY WHERE THE SPECIES IS LOCATED

S5 - Demonstrably secure in state.

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Date: 09/18/92

S.C. DEPARTMENT OF HEALTH & ENVIRONMENTAL CONTROL

BUREAU OF SOLID & HAZARDOUS WASTE

SITE BEING EVALUATED BFARM, 850845.8 LATITUDE 820455.4 LONGITUDE Wilson Site

THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 35-06-30 TO 35-09-30 AND LONGITUDE 81-55-00 TO 82-04-55

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME SCIENTIFIC NAME	STATUS	LONGITUDE LATITUDE	DISTANCE FROM SITE	GRANK SRANK	DATE ADDED	TOPO MAP / COUNTY WHERE THE SPECIES IS LOCATED
MOUNTAIN WITCH-ALDER FOTHERGILLA MAJOR	RC	82-07-00 35-09-30	2.14 Miles WNW	G3 S1	06/01/70	FINGERVILLE Spartanburg
DWARF-FLOWERED HEARTLEAF HEXASTYLIS NANIFLORA	FT	82-08-14 35-11-02	4.08 Miles WNW	G2G3 S2	04/01/70	LANDRUM Spartanburg
YELLOW HONEYSUCKLE LONICERA FLAVA	SL	82-07-00 35-09-30	2.14 Miles WNW	G5? S2	05/01/70	FINGERVILLE Spartanburg
WHITE GOLDENROD SOLIDAGO BICOLOR	SL	82-08-30 35-10-57	4.22 Miles WNW	G5 S1	10/07/70	LANDRUM Spartanburg
YELLOW HONEYSUCKLE LONICERA FLAVA	SL	82-08-14 35-11-02	4.08 Miles WNW	G5? S2	05/01/70	LANDRUM Spartanburg
BLUE MONKSHOOD ACONITUM UNCINATUM	SL	82-08-14 35-11-02	4.08 Miles WNW	G3G4 S2	10/01/70	LANDRUM Spartanburg

GRANK/SRANK - Nature Conservancy rating:

- G1 - Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction.
- G2 - Imperiled globally because of rarity or factor(s) making it vulnerable.
- G3 - Either very rare throughout its range or found locally in a restricted range, or having factors making it vulnerable.
- G4 - Apparently secure globally, though it may be rare in parts of its range.
- G5 - Demonstrably secure globally, though it may be rare in parts of its range.
- S1 - Critically imperiled state-wide because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation.
- S2 - Imperiled state-wide because of rarity or factor(s) making it vulnerable.
- S3 - Rare or uncommon in state.
- S4 - Apparently secure in state.

STATUS - Legal status:

- FE - Federal Endangered
- FT - Federal Threatened
- NC - Of Concern, National (plants)
- RC - Of Concern, Regional (plants)
- SE - State Endangered (animals)
- ST - State Threatened (animals)
- SC - Of Concern, State (animals)
- SL - Of Concern, State (plants)
- SX - State Extirpated
- CU - Candidate (Federal review)
- UN - Undetermined

**BUREAU OF SOLID & HAZARDOUS WASTE**

THE ENDANGERED SPECIES FOUND WITHIN 4 MILES AND BETWEEN LATITUDE 35-06-30 TO 35-09-30 AND LONGITUDE 81-55-00 TO 82-04-55

THIS REPORT IS BASED UPON DATA PROVIDED BY THE S.C. HERITAGE TRUST FOUNDATION (01/92).

COMMON NAME		LONGITUDE	DISTANCE	GRANK	DATE	TOPO MAP /
SCIENTIFIC NAME	STATUS	LATITUDE	FROM SITE	SRANK	ADDED	COUNTY WHERE THE SPECIES IS LOCATED

S5 - Demonstrably secure in state.

**Date:** July 9, 1992

**To:** Beth Suydam  
Site Engineering and Screening  
Bureau of Solid & Hazardous Waste

**From:** Patrick Horton  
Information Coordination Group  
EQC Administration

**Re:** Method for calculating population estimates.

1.) The XY coordinates (UTM) for each site are entered into EQC's Geographic Information System (GIS). The coordinates are taken from USGS 7.5 minute topo sheets.

2.) Each site is buffered at 1/4, 1/2, 1, 2, 3, and 4 mile increments.

3.) Population per square meter (PPSM) is computed to allow the ratioing of population to area. This provides a closer estimate of the population for each range (i.e., 2 to 3 miles).

$$\text{PPSM} = 1 / \text{Area}$$

4.) Buffers and 1990 Census block group data are joined to determine which blocks fall in each range. Each census block has a population value.

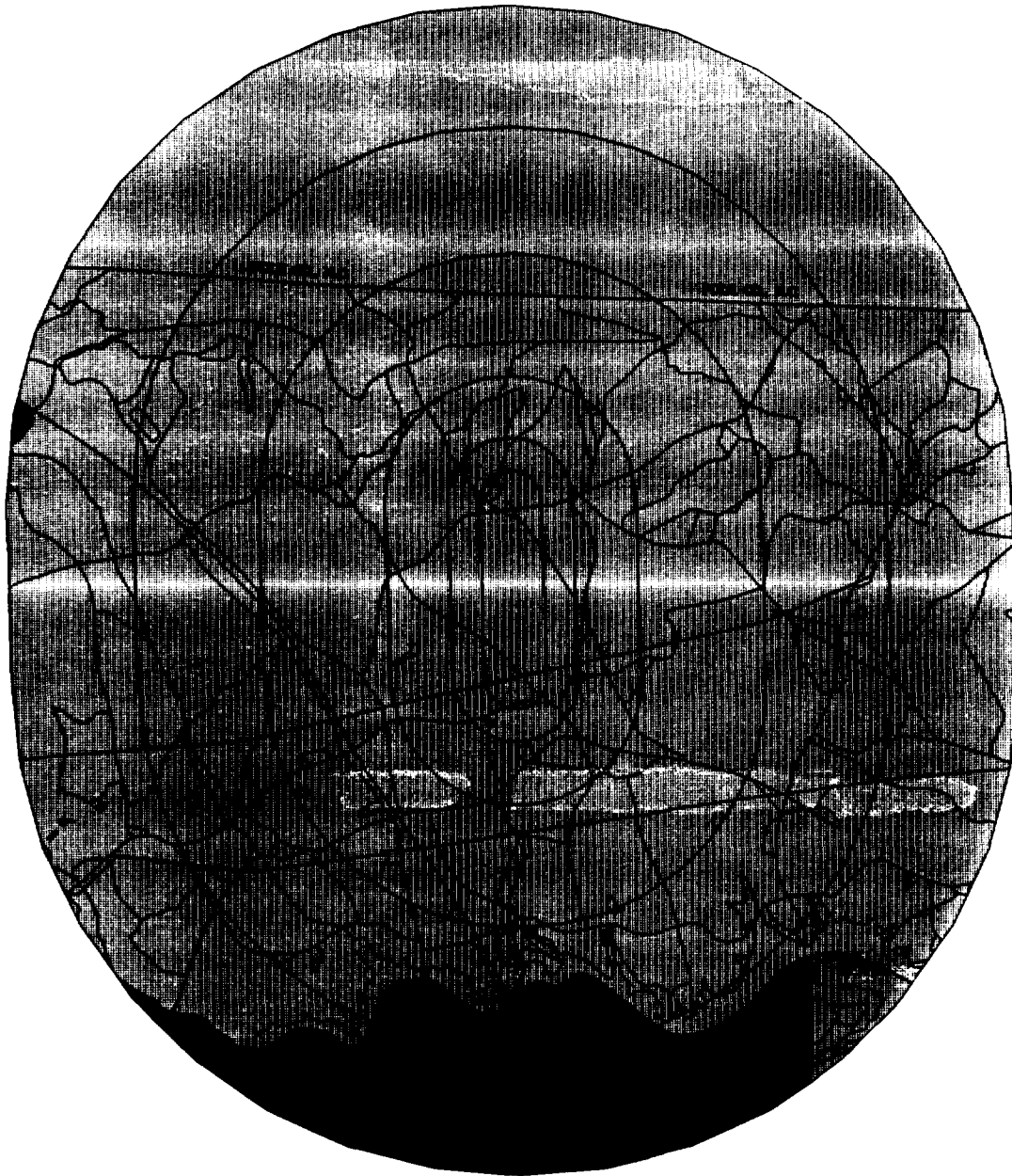
New blocks are created when original blocks are bisected with a buffer. However, each new block will keep the same population as the original block. Therefore, population must be ratioed with area.

5.) Estimated population is calculated by multiplying the new block area (created in step 4) and then multiplying that value to the original (old) population.

$$\text{Estimated population} = \text{New block area} * \text{PPSM} * \text{Old population}$$

# Belue Farm Sites

## Spartanburg County, S.C.



### Population Estimates Within Given Range of Sites

3 - 4 Miles = 3778	.50 - 1 Mile = 1028
2 - 3 Miles = 2688	.25 - .50 Mile = 582
1 - 2 Miles = 1637	0 - .25 Mile = 362

Total = 10075

# PA-Score

## PA SCORESHEETS

Site Name: BELUE FARM SITE  
CERCLIS ID No.: 987581683  
Street Address: 1305 MELVIN HILL ROAD  
City/State/Zip: CAMPOBELLO, SC 29322

Investigator: BETH SUYDAM  
Agency/Organization: SCDHEC  
Street Address: 2600 BULL STREET  
City/State: COLUMBIA, SC

Date: 09-18-92



PA-Score 2.0 Scoresheets  
BELUE FARM SITE - 10/26/92

Page: 1

OMB Approval Number: 2050-0095  
Approved for Use Through: 4/95

POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM				IDENTIFICATION			
				State: SC		CERCLIS Number: 987581683	
				CERCLIS Discovery Date:			
1. General Site Information							
Name: BELUE FARM SITE			Street Address: 1305 MELVIN HILL ROAD				
City: CAMPOBELLO		State: SC	Zip Code: 29322	County: SPARTANBRG	Co. Code: 42	Cong. Dist: 	
Latitude: 35° 10' 3.9" Longitude: 82° 5' 0.0"		Approx. Area of Site: 8 sq feet		Status of Site: NA (GW plume, etc.)			
2. Owner/Operator Information							
Owner: (b) (6)			Operator: BELUE FARMS/PERRY BELUE				
Street Address: 1305 MELVIN HILL ROAD			Street Address: BELUE TRUCKING/ PO BOX 734				
City: CAMPOBELLO			City: FAIRFORREST				
State: SC	Zip Code: 29322	Telephone: 803-472-4543	State: SC	Zip Code: 29336	Telephone: 803-576-1660		
Type of Ownership: Private			How Initially Identified: Citizen Complaint				

## General Site Information Continued

Belue Farm Site, property #2

Christopher Road property, Campobello, S.C.

Latitude:  $35^{\circ} 08' 45.8''$

Longitude:  $82^{\circ} 04' 55.4''$

Approximate Area of Site: 8 sq. feet

Owner: (b) (6)

7409 Chalk Way

Riverdale, GA 30296

Operator: Same as Melvin Hill Road Property

PA-Score 2.0 Scoresheets  
BELUE FARM SITE - 10/26/92

Page: 2

POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM		IDENTIFICATION	
		State: SC	CERCLIS Number: 987581683
		CERCLIS Discovery Date:	
3. Site Evaluator Information			
Name of Evaluator: BETH SUYDAM		Agency/Organization: SCDHEC	Date Prepared: 09-18-92
Street Address: 2600 BULL STREET		City: COLUMBIA	State: SC
Name of EPA or State Agency Contact: BETH SUYDAM		Telephone: 803-734-4468	
Street Address: 2600 BULL STREET		City: COLUMBIA	State: SC
4. Site Disposition (for EPA use only)			
Emergency Response/Removal Assessment Recommendation: No  Date:	CERCLIS Recommendation: Higher Priority SI  Date:	Signature:  Name:  Position:	

POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: SC	CERCLIS Number: 987581683
	CERCLIS Discovery Date:	

5. General Site Characteristics

Predominant Land Uses Within 1 Mile of Site: Forest/Fields Agricultural	Site Setting:  Rural	Years of Operation: Beginning Year: 1981  Ending Year: 1987
Type of Site Operations: Other: DISPOSAL OF AGRIC. CHEM. BAGS IN WELLS	Waste Generated: Offsite	
	Waste Deposition Authorized By: Unknown	
	Waste Accessible to the Public No	
	Distance to Nearest Dwelling, School, or Workplace: 80 Feet	

6. Waste Characteristics Information

Source Type Other Other	Quantity 2.41e+02 cu ft 2.41e+02 cu ft	Tier V V	General Types of Waste: Organics Pesticides/Herbicides
Tier Legend C = Constituent    W = Wastestream V = Volume        A = Area			Physical State of Waste as Deposited Solid Liquid Powder

<p>POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM</p>		IDENTIFICATION															
		State: SC	CERCLIS Number: 987581683														
		CERCLIS Discovery Date:															
7. Ground Water Pathway																	
<p>Is Ground Water Used for Drinking Water Within 4 Miles: <del>No</del> Yes (problem w/ program)</p> <p>Type of Ground Water Wells Within 4 Miles: Private</p> <p>Depth to Shallowest Aquifer: 45 Feet</p> <p>Karst Terrain/Aquifer Present: No</p>	<p>Is There a Suspected Release to Ground Water: Yes</p> <p>Have Primary Target Drinking Water Wells Been Identified: No</p> <p>Nearest Designated Wellhead Protection Area: None within 4 Miles</p>	<p>List Secondary Target Population Served by Ground Water Withdrawn From:</p> <table> <tr> <td>0 - 1/4 Mile</td> <td>44</td> </tr> <tr> <td>&gt;1/4 - 1/2 Mile</td> <td>57</td> </tr> <tr> <td>&gt;1/2 - 1 Mile</td> <td>162</td> </tr> <tr> <td>&gt;1 - 2 Miles</td> <td>378</td> </tr> <tr> <td>&gt;2 - 3 Miles</td> <td>914</td> </tr> <tr> <td>&gt;3 - 4 Miles</td> <td>898</td> </tr> <tr> <td>Total</td> <td>2453</td> </tr> </table>		0 - 1/4 Mile	44	>1/4 - 1/2 Mile	57	>1/2 - 1 Mile	162	>1 - 2 Miles	378	>2 - 3 Miles	914	>3 - 4 Miles	898	Total	2453
0 - 1/4 Mile	44																
>1/4 - 1/2 Mile	57																
>1/2 - 1 Mile	162																
>1 - 2 Miles	378																
>2 - 3 Miles	914																
>3 - 4 Miles	898																
Total	2453																

POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: SC	CERCLIS Number: 987581683
	CERCLIS Discovery Date:	
8. Surface Water Pathway		
		Part 1 of 4
Type of Surface Water Draining Site and 15 Miles Downstream: Stream River	Shortest Overland Distance From Any Source to Surface Water:  1000 Feet 0.2 Miles	
Is there a Suspected Release to Surface Water: No	Site is Located in: > 500 yr floodplain	
8. Surface Water Pathway		
		Part 2 of 4
Drinking Water Intakes Along the Surface Water Migration Path: No		
Have Primary Target Drinking Water Intakes Been Identified: No		
Secondary Target Drinking Water Intakes: None		

POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT FORM	IDENTIFICATION	
	State: SC	CERCLIS Number: 987581683
	CERCLIS Discovery Date:	

8. Surface Water Pathway	Part 3 of 4
--------------------------	-------------

Fisheries Located Along the Surface Water Migration Path: Yes

Have Primary Target Fisheries Been Identified: No

Secondary Target Fisheries:

Fishery Name	Water Body Type/Flow(cfs)
OBED CREEK	minimal stream/ <10
NORTH PACOLET RIVER	moderate-large stream/ >100-1000

8. Surface Water Pathway	Part 4 of 4
--------------------------	-------------

Wetlands Located Along the Surface Water Migration Path? (y/n) No

Have Primary Target Wetlands Been Identified? (y/n) No

Secondary Target Wetlands:  
None

Other Sensitive Environments Along the Surface Water Migration Path: No

Have Primary Target Sensitive Environments Been Identified: No

Secondary Target Sensitive Environments:  
None

**PA-Score 2.0 Scoresheets  
BELUE FARM SITE - 10/26/92**

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<p align="center">POTENTIAL HAZARDOUS  WASTE SITE  PRELIMINARY ASSESSMENT FORM</p>	IDENTIFICATION	
	State: SC	CERCLIS Number: 987581683
	CERCLIS Discovery Date:	

**9. Soil Exposure Pathway**

Are People Occupying Residences or Attending School or Daycare on or Within 200 Feet of Areas of Known or Suspected Contamination: No

Number of Workers Onsite: None

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of Areas of Known or Suspected Contamination: No

**10. Air Pathway**

Total Population on or Within:	
Onsite	2
0 - 1/4 Mile	46
>1/4 - 1/2 Mile	57
>1/2 - 1 Mile	162
>1 - 2 Miles	1637
>2 - 3 Miles	2688
>3 - 4 Miles	3778
Total	8370

Is There a Suspected Release to Air: No

Wetlands Located  
Within 4 Miles of the Site: No

Other Sensitive Environments Located  
Within 4 Miles of the Site: No

Sensitive Environments Within 1/2 Mile of the Site:  
None



WASTE CHARACTERISTICS

Waste Characteristics (WC) Calculations:

1 SOIL	Other	WQ value	maximum
Volume	2.41E+02 cu ft	3.57E+00	3.57E+00
The diameter of each abandoned dug well is estimated to be 3.5 feet. The depth of each is estimated to be 25 feet, based on excavation activities. The volume of each well is used for waste quantity because actual amount of hazardous waste or number of containers is not known. $V = 241$ cubic feet. Source type is other so: $WQ = 241/67.5 = 3.57$ Ref:			

2 SOIL	Other	WQ value	maximum
Volume	2.41E+02 cu ft	3.57E+00	3.57E+00
see source 1			

WQ total 7.14E+00

\*\* Only First WC Page Is Printed \*\*

Waste Characteristics Score: WC = 18

Ground Water Pathway Criteria List  
 Suspected Release

Are sources poorly contained? (y/n/u)	Y
Is the source a type likely to contribute to ground water contamination (e.g., wet lagoon)? (y/n/u)	Y
Is waste quantity particularly large? (y/n/u)	N
Is precipitation heavy? (y/n/u)	Y
Is the infiltration rate high? (y/n/u)	N
Is the site located in an area of karst terrain? (y/n)	N
Is the subsurface highly permeable or conductive? (y/n/u)	Y
Is drinking water drawn from a shallow aquifer? (y/n/u)	Y
Are suspected contaminants highly mobile in ground water? (y/n/u)	U
Does analytical or circumstantial evidence suggest ground water contamination? (y/n/u)	N

Other criteria? (y/n) Y

SUSPECTED RELEASE? (y/n) Y

Summarize the rationale for Suspected Release:

AN UNDETERMINED AMOUNT OF WASTE WAS PUT INTO ABANDONED DUG WELLS IN  
 CONTACT WITH GROUNDWATER.

Ground Water Pathway Criteria List  
Primary Targets

Is any drinking water well nearby? (y/n/u)	Y
Has any nearby drinking water well been closed? (y/n/u)	N
Has any nearby drinking water well user reported foul-testing or foul-smelling water? (y/n/u)	Y
Does any nearby well have a large drawdown/high production rate? (y/n/u)	N
Is any drinking water well located between the site and other wells that are suspected to be exposed to a hazardous substance? (y/n/u)	N
Does analytical or circumstantial evidence suggest contamination at a drinking water well? (y/n/u)	N
Does any drinking water well warrant sampling? (y/n/u)	N

Other criteria? (y/n)                      N

PRIMARY TARGET(S) IDENTIFIED? (y/n)                      N

Summarize the rationale for Primary Targets:


SEE PA REPORT


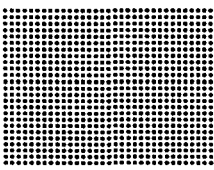

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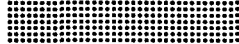
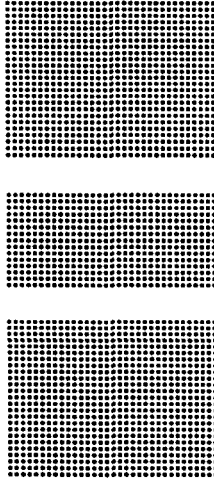
**GROUND WATER PATHWAY SCORESHEETS**

**Pathway Characteristics**

Pathway Characteristics		Ref.
Do you suspect a release? (y/n)	Yes	
Is the site located in karst terrain? (y/n)	No	
Depth to aquifer (feet):	45	
Distance to the nearest drinking water well (feet):	80	

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	550		
2. NO SUSPECTED RELEASE		0	
LR =	550	0	

**Targets**

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION Are any wells part of a blended system? (y/n) N	33	0	
5. NEAREST WELL	20	0	
6. WELLHEAD PROTECTION AREA None within 4 Miles	0	0	
7. RESOURCES	5	0	
T =	58	0	

**WASTE CHARACTERISTICS**

WC =

18	0
----	---

**GROUND WATER PATHWAY SCORE:**

7
---

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**Ground Water Target Populations**

Primary Target Population Drinking Water Well ID	Dist. (miles)	Population Served	Reference	Value
None				
*** Note : Maximum of 5 Wells Are Printed ***				Total

Secondary Target Population Distance Categories	Population Served	Reference	Value
0 to 1/4 mile	44		5
Greater than 1/4 to 1/2 mile	57		3
Greater than 1/2 to 1 mile	162		5
Greater than 1 to 2 miles	378		9
Greater than 2 to 3 miles	914		7
Greater than 3 to 4 miles	898		4
Total			33

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**Apportionment Documentation for a Blended System**

--

Surface Water Pathway Criteria List  
Suspected Release

Is surface water nearby? (y/n/u)	N
Is waste quantity particularly large? (y/n/u)	N
Is the drainage area large? (y/n/u)	N
Is rainfall heavy? (y/n/u)	Y
Is the infiltration rate low? (y/n/u)	N
Are sources poorly contained or prone to runoff or flooding? (y/n/u)	N
Is a runoff route well defined(e.g.ditch/channel to surf.water)? (y/n/u)	U
Is vegetation stressed along the probable runoff path? (y/n/u)	N
Are sediments or water unnaturally discolored? (y/n/u)	U
Is wildlife unnaturally absent? (y/n/u)	N
Has deposition of waste into surface water been observed? (y/n/u)	N
Is ground water discharge to surface water likely? (y/n/u)	Y
Does analytical/circumstantial evidence suggest S.W. contam? (y/n/u)	N
Other criteria? (y/n)	N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for Suspected Release:

Is any target nearby? (y/n/u)	If yes:	Y
N Drinking water intake		
Y Fishery		
N Sensitive environment		

Has any intake, fishery, or recreational area been closed? (y/n/u) N

Does analytical or circumstantial evidence suggest surface water contamination at or downstream of a target? (y/n/u) N

Does any target warrant sampling? (y/n/u)	If yes:	N
N Drinking water intake		
N Fishery		
N Sensitive environment		

Other criteria? (y/n) N

PRIMARY INTAKE(S) IDENTIFIED? (y/n)	N
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
25	1
26	1
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78	1
79	1
80	1
81	1
82	1
83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

**Summarize the rationale for Primary Intakes:**

continued -----



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continued -----

Other criteria? (y/n) N

PRIMARY FISHERY(IES) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Fisheries:


Other criteria? (y/n) N


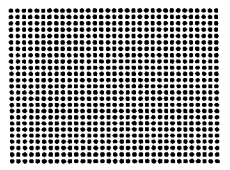

PRIMARY SENSITIVE ENVIRONMENT(S) IDENTIFIED? (y/n) N

Summarize the rationale for Primary Sensitive Environments:

SURFACE WATER PATHWAY SCORESHEETS

Pathway Characteristics

		Ref.
Do you suspect a release? (y/n)	No	
Distance to surface water (feet):	1000	
Flood frequency (years):	>500	
What is the downstream distance (miles) to:		
a. the nearest drinking water intake?	N.A.	
b. the nearest fishery?	0.9	
c. the nearest sensitive environment?	N.A.	

LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References
1. SUSPECTED RELEASE	0		
2. NO SUSPECTED RELEASE		500	
LR =	0	500	

Drinking Water Threat Targets

TARGETS	Suspected Release	No Suspected Release	References
3. Determine the water body type, flow (if applicable), and number of people served by each drinking water intake.			
4. PRIMARY TARGET POPULATION 0 person(s)	0		
5. SECONDARY TARGET POPULATION Are any intakes part of a blended system? (y/n): N	0	0	
6. NEAREST INTAKE	0	0	
7. RESOURCES	0	5	
T =	0	5	

Drinking Water Threat Target Populations

Intake Name	Primary (y/n)	Water Body Type/Flow	Population Served	Ref.	Value
None					
Total Primary Target Population Value					0
Total Secondary Target Population Value					0

\*\*\* Note : Maximum of 6 Intakes Are Printed \*\*\*

Apportionment Documentation for a Blended System

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**Human Food Chain Threat Targets**

TARGETS	Suspected Release	No Suspected Release	References
8. Determine the water body type and flow for each fishery within the target limit.			
9. PRIMARY FISHERIES	0		
10. SECONDARY FISHERIES	0	210	
T =	0	210	

**Human Food Chain Threat Targets**

Fishery Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
1 OBED CREEK	N	<10 cfs		210
2 NORTH PACOLET RIVER	N	>100-1000 cfs		12
Total Primary Fisheries Value				0
Total Secondary Fisheries Value				0

\*\*\* Note : Maximum of 6 Fisheries Are Printed \*\*\*

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**Environmental Threat Targets**

TARGETS	Suspected Release	No Suspected Release	References
11. Determine the water body type and flow (if applicable) for each sensitive environment.			
12. PRIMARY SENSITIVE ENVIRONMENTS	0		
13. SECONDARY SENSITIVE ENVIRONS.	0	0	
T =	0	0	

**Environmental Threat Targets**

Sensitive Environment Name	Primary (y/n)	Water Body Type/Flow	Ref.	Value
None				
Total Primary Sensitive Environments Value				0
Total Secondary Sensitive Environments Value				0
*** Note: Maximum of 6 Sensitive Environments Are Printed ***				

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**Surface Water Pathway Threat Scores**

Threat	Likelihood of Release (LR) Score	Targets (T) Score	Pathway Waste Characteristics (WC) Score	Threat Score LR x T x WC / 82,500
Drinking Water	500	5	18	1
Human Food Chain	500	210	18	23
Environmental	500	0	18	0

**SURFACE WATER PATHWAY SCORE:**

**23**

Soil Exposure Pathway Criteria List  
Resident Population

Is any residence, school, or daycare facility on or within 200 feet of an area of suspected contamination? (y/n/u)	N
Is any residence, school, or daycare facility located on adjacent land previously owned or leased by the site owner/operator? (y/n/u)	Y
Is there a migration route that might spread hazardous substances near residences, schools, or daycare facilities? (y/n/u)	N
Have onsite or adjacent residents or students reported adverse health effects, exclusive of apparent drinking water or air contamination problems? (y/n/u)	N
Does any neighboring property warrant sampling? (y/n/u)	N
Other criteria? (y/n)	N

RESIDENT POPULATION IDENTIFIED? (y/n) N

Summarize the rationale for Resident Population:

THE WASTE SOURCES ARE UNDER GROUND IN ABANDONED WELLS.



SOIL EXPOSURE PATHWAY SCORESHEETS

Pathway Characteristics

	Ref.
Do any people live on or within 200 ft of areas of suspected contamination? (y/n) No	
Do any people attend school or daycare on or within 200 ft of areas of suspected contamination? (y/n) No	
Is the facility active? (y/n): No	

LIKELIHOOD OF EXPOSURE	Suspected Contamination	References
1. SUSPECTED CONTAMINATION LE =	550	

Targets

2. RESIDENT POPULATION 0 resident(s) 0 school/daycare student(s)	0	
3. RESIDENT INDIVIDUAL	0	
4. WORKERS None	0	
5. TERRES. SENSITIVE ENVIRONMENTS	0	
6. RESOURCES	0	
T =	0	

WASTE CHARACTERISTICS

WC =

18

RESIDENT POPULATION THREAT SCORE:

1

NEARBY POPULATION THREAT SCORE:

1

Population Within 1 Mile: 1 - 10,000

SOIL EXPOSURE PATHWAY SCORE:

2

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Soil Exposure Pathway Terrestrial Sensitive Environments

Terrestrial Sensitive Environment Name	Reference	Value
None		
Total Terrestrial Sensitive Environments Value		
*** Note : Maximum of 7 Sensitive Environments Are Printed ***		

Air Pathway Criteria List  
 Suspected Release

Are odors currently reported? (y/n/u) N

Has release of a hazardous substance to the air  
 been directly observed? (y/n/u) N

Are there reports of adverse health effects (e.g., headaches,  
 nausea, dizziness) potentially resulting from migration  
 of hazardous substances through the air? (y/n/u) N

Does analytical/circumstantial evidence suggest release to air? (y/n/u) N

Other criteria? (y/n) N

SUSPECTED RELEASE? (y/n) N

Summarize the rationale for Suspected Release:

AIR PATHWAY SCORESHEETS

Pathway Characteristics

Do you suspect a release? (y/n)			No	Ref.
Distance to the nearest individual (feet):			80	
LIKELIHOOD OF RELEASE	Suspected Release	No Suspected Release	References	
1. SUSPECTED RELEASE	0			
2. NO SUSPECTED RELEASE		500		
LR =		0		

Targets

TARGETS	Suspected Release	No Suspected Release	References
3. PRIMARY TARGET POPULATION 0 person(s)	0		
4. SECONDARY TARGET POPULATION	0	7	
5. NEAREST INDIVIDUAL	0	20	
6. PRIMARY SENSITIVE ENVIRONS.	0		
7. SECONDARY SENSITIVE ENVIRONS.	0	0	
8. RESOURCES	0	5	
T =	0	32	

WASTE CHARACTERISTICS

WC =

0	18
---	----

AIR PATHWAY SCORE:

3
---

Air Pathway Secondary Target Populations

Distance Categories	Population	References	Value
Onsite	2		1
Greater than 0 to 1/4 mile	46		1
Greater than 1/4 to 1/2 mile	57		1
Greater than 1/2 to 1 mile	162		1
Greater than 1 to 2 miles	1637		1
Greater than 2 to 3 miles	2688		1
Greater than 3 to 4 miles	3778		1
Total Secondary Population Value			7

**Air Pathway Primary Sensitive Environments**

Sensitive Environment Name	Reference	Value
None		
Total Primary Sensitive Environments Value		

\*\*\* Note : Maximum of 7 Sensitive Environments Are Printed\*\*\*

**Air Pathway Secondary Sensitive Environments**

Sensitive Environment Name	Distance	Reference	Value
None			
Total Secondary Sensitive Environments Value			

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SITE SCORE CALCULATION	SCORE
GROUND WATER PATHWAY SCORE:	7
SURFACE WATER PATHWAY SCORE:	23
SOIL EXPOSURE PATHWAY SCORE:	2
AIR PATHWAY SCORE:	3
SITE SCORE:	12

SUMMARY

1. Is there a high possibility of a threat to any nearby drinking water well(s) by migration of a hazardous substance in ground water? No

If yes, identify the well(s).

If yes, how many people are served by the threatened well(s)? 0

2. Is there a high possibility of a threat to any of the following by hazardous substance migration in surface water?
- |  |    |
|--|----|
| A. Drinking water intake                                     | No |
| B. Fishery   | No |
| C. Sensitive environment (wetland, critical habitat, others) | No |

If yes, identity the target(s).

3. Is there a high possibility of an area of surficial contamination within 200 feet of any residence, school, or daycare facility? No

If yes, identify the properties and estimate the associated population(s)

4. Are there public health concerns at this site that are not addressed by PA scoring considerations? No

If yes, explain:



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**REFERENCE LIST**

1. SEE PA REPORT